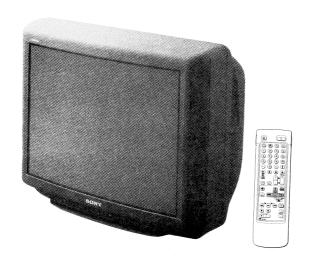
SERVICE MANUAL

AE-2B CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-S3431A	RM-831	Italian	SCC-G59F-A	KV-S3433E	' RM-831	Spanish	SCC-G56F-A
KV-S3431B	RM-831	French	SCC-G57F-A	KV-S3431K	RM-831	OIRT	SCC-G73E-A
KV-S3431D	RM-831	AEP	SCC-G45E-A	KV-S3432U	RM-831	UK	SCC-G55G-A







ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
Italian	B/G/H, D/K	GERMAN Stereo	ITALIA VHF:A-H2 (C) UHF: 21-69 PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
French	B/G/H, D/K L, I	GERMAN Stereo	L VHF:F02-F10 UHF:F21-F60 CABLE:B-Q B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 I UHF:B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN Stereo	B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
UK	1	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

MODEL	Italian	French	AEP	Spanish	OIRT	UK
Power Consumption	131W	147W	147W	150W	147W	205W

SPECIFICATIONS

Picture Tube

Super Trinitron

Approx. 86 cm (34 inches)

(Approx. 80 cm picture measured

diagonally)

110° -deflection

Input/Output Terminals

[REAR]

Ö-1 21-pin Euro connector (CENELEC standard)

- inputs for audio and video signals

- inputs for RGB

- outputs of TV video and audio signals

→2/→3 2 21-pin Euro connector

- inputs for audio and video signals

- inputs for S video

- outputs for audio and video signals (selectable)

→ Audio outputs (variable) - phono jacks

[FRONT]

€3 Video input - phono jack

→ Audio inputs - phono jacks

€33 S video input 4-pin DIN

 Ω Headphone jacks: stereo minijack

Sound output 2 x 12W (RMS)

2 x 30W (Music) Power requirements 220 - 240V

Dimensions Approx. 813x648x596 mm

Weight Approx. 79kg

Supplied accessories RM-831 Remote Commander (2)

IEC designation R6 battery (1)

Other features NICAM , FASTEXT.

[RM-831]

Remote control system infrared control

Power requirements 1.5V dc

1 battery IEC designation

R6 (size AA)

Dimensions Approx. 65x225x21 mm (w/h/d)

Weight Approx. 157g (Not including batteries)

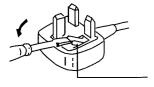
Design and specifications are subject to change without notice.

Model name	KV-S3431A	KV-S3431B	KV-S3431D	KV-S3433E	KV-S3431K	KV-S3432U
Pal Comb	OFF	OFF	OFF	OFF	OFF	OFF
PIP	OFF	OFF	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	OFF	OFF	OFF	OFF
Woofer Box	OFF	OFF	OFF	OFF	OFF	OFF
DSP	ON	ON	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON	ON	ON
Scart 4	OFF	OFF	OFF	OFF	OFF	OFF
Dyn. Convergence	OFF	OFF	OFF	OFF	OFF	OFF
Projector	OFF	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON	ON
Norm B/G	ON	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF	OFF
DSP	OFF	OFF	OFF	OFF	OFF	OFF
Language Preset	Italiano	Francais	Deutsch	None	OIRT	English

WARNING (KV-S3432U only)

The flexible mains lead is supplied connected to a **B.S.** 1363 fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP** FUSE approved by **ASTA** to **BS** 1362, ie one that carries the mark.

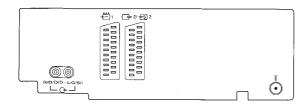
IT THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET. When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.

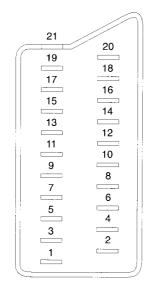


How to replace the fuse. Open the fuse compartment with the screwdriver blade and replace the fuse.

- FUSE

21 pin connector (Ö-1 → 2/ → 4)





	_	1		
1	2	4	· g/ · · · · ·	Signal level
			•	Standard level : 0.5V rms
Ľ	Ľ	Ľ		Output impedance : Less than 1kohm*
				Standard level : 0.5V rms
Ľ				Output impedance : More than 10kohm*
				Standard level : 0.5V rms
				Output impedance : Less than 1kohm*
1		_		
0	0	0		
				Standard level : 0.5V rms
		Ľ		Output impedance : More than 10kohm*
0	•	•	Blue input	0.7 ± 3 dB, 75 ohms, positive
				High state (9.5 - 12V) : Part mode
			· ·	Low state (0 - 2V) : TV mode
			(AV control)	Input impedance : More than 10k ohms
				Input capacitance : Less than 2nF
0	0	0		
0	0	0	· •	
		•		Green signal : 0.7 ± 3dB, 75 ohms, positive
0	_	_		0.7 ± 3dB, 75 ohms, positive
_				0.3 ± 2dP. 75 ohmo nooitivo
_			Croma input	0.3 ± 3dB, 75 ohms, positive
				High state (1 - 3V) Lowstate (0 - 0.4V)
	•			Input impedance : 75ohms
\Box				
		\cup	output)	
			,	
\preceq			input)	
	0	0		$1V \pm 3dB$,75ohms,positivesync: 0.3V(-3+10dF
0	-]	-		$1V \pm 3dB$,75ohms,positivesync: 0.3V(-3+10dB
-	0	0		1V + 3dB 750hms positive even; 0.2V/ 2:40dF
				1V ± 3dB,75ohms,positivesync: 0.3V(-3+10dB
\bigcap	\Box			
	_		(plug, shield)	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Audio output B (right) Audio input B (right) Audio input B (right) Audio output A (left) Ground (audio) Audio input A (left) Ground (green) Ground (green) Ground (green) Ground (red) Ground (red) Ground (lanking) Ground (red) Ground (signal) Croma input (ys signal) Ground(video output) Ground(video input)

O Connected

Not Connected (open)

* at 20Hz - 20kHz

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm , positive Sync. 0.3V -3/+10 dB
4	C (S signal) input	$0.3V \pm 3 dB 75$ ohm , positive Sync.



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	 -J.	Chassis	35			АТТ	TENTION !!	

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING!!

AN ISOLATING TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD, DUE TO A LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!
COMPONENT'S IDENTIFIED BY SHADING AND MARKED IT. ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLIMENT'S PUBLISHED BY SONY.

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE. LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTEMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÈCURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÉ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

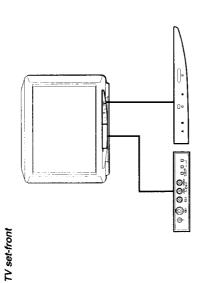
SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

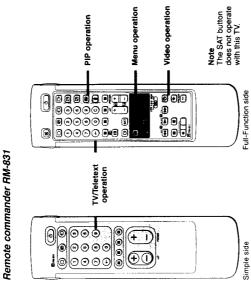
1-1. OVERVIEW

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.





r RM-860	
Scroll Commander RM-860	SONY
Scro	



	V/Teletext operation

	PIP (Pici	PIP (Picture-in-Picture) operation	
Refer to page	Symbol	Name	Refer to page
14	0	PIP on / off button	17
13	-	PIP source selector	17
<u></u>	©	Swap button	17
2	Ð	PIP position changing button	17

TV power on/TV mode selector button

Muting on/off button

Name

Refer to page 5 13 15 22 22 5 5

Standby button

Output mode selector

Number buttons

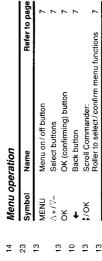
1,2,3,4,5,6, 7,8,9 and 0

Input mode selector

_Q Ō

(II)

Teletext button



Direct channel entering button Double-digit entering button

O

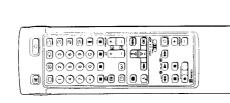
Volume control button Programme selectors

PROGR+/-**Ż** (E)

Teletext page access buttons	18			
Picture adjustment button	15 Video	ope	Video operation	
Sound adjustment button	15 Symbol		Name	Refer to page
On-screen display button	14 VTR 1,	/2/3.	/TR 1/2/3. Video equipment selector	24
Teletext hold button	18 MDP			
Time display button	14 14 14 15 16	Å ə	✓ ► ► ► Video equipment operation	24
Fastext buttons	18 PROGR +/-	Ř +/-		

Symbol	ameN
odinio.	
Θ	Main power switch
Ð	Standby indicator
A-W-B	Stereo A/B indicators
C:	Headphones jack
€3, €3, ⊖3,	Input jacks (S video/video/audio)
⊕ 7 1	Function selector (Programme/volume/input)
+/-	Adjustment buttons for function selector

1-2. STEP 3 - TUNING IN TO TV STATIONS



Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.

Before you begin

- Check that the Full-Function side of the Remote Commander is
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

Easy Menu operation using the Scroll Commander

In addition to your double-sided Remote Commander your TV set is supplied with an extra Remote commander. This Scroll Commander works with a roller for convenient, last-access operation of the Menu functions. Move the roller upwards to move the cursor upwards, move the roller downwards to move the cursor ownwards, press the roller to confirm a selection. The other buttons on this commander have the same function as the respective buttons on the double-sided Remote Commander.



Programme names are automatically taken from Teletext if available. If not, please refer to page 11 "Captioning a Station name" for more information.

Depress Φ on the TV.

The TV will switch on. If the standby indicator on the TV is lit, press Φ or a number button on the Remote Commander. Press the MENU button.

The LANGUAGE meru appears. (See Fig. 1.)

Choose a language

Š +4 b1 •

If you have made a mistake
Press ← to go back to the previous

sources.

position. To go back to main

Select the language you want with \triangle + or ∇ – and press OK

MENO

Select DA and press OK ■ Timer
■ Presel
■ Picture Control
■ Sound Control
■ Language

Now, choose one of the following methods »Preset Channels Automatically«

Preset Channels Manually «.

if you choose "Demo« on the main menu, you can see a sequential demonstration on the menu functions.

Press MENU to stop

Press the ← button. The main menu appears. (See Fig. 2.)

To go back to the normal TV picture Press MENU.

Note on the DEMO function

Display the Menu

To go back to main menu

Keep pressing ←

Fig. 2.

Preset channels automatically @ With this method, you can preset all re-ceivable channels at

- Select "Preset" with \triangle + or ∇ and press OK. The PRESET menu appears. (See Fig. 3.)
- Select "Auto Programme" with Δ + or ∇ and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)

To stop automatic channel presetting Press ← on the Remote Commander.

- Press OK. Select if necessary the TV broadcast system (B/G for Western European or D/K for Eastern European countries) with $\Delta+$ or $\nabla-$ and press OK. The first element of the "PROG«-
- Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with λ to ∇_{-} or the number buttons (e.g. For \star 04 \star , select \star 04 here) and press QK. The second element of \star PROGs will be highlighted. number will be highlighted.

*After presetting the channels automatically, you can check which channels are stored on which programme positions. For details, see "Using the Propagarmme Table« on page 16.

T)

T) **+**)v

(1)

B B

- Select the second element of the double-digit number with Δ + or ∇ or the number buttons (e.g. For »04«, select »4« here) (See Fig. 5.) and press OK.
- All available channels are now stored on successive programme Press OK. The automatic channel presetting starts. When presetting is finished, the preset menu reappears. 9

• You can sort the programme positions to have them appear on screen in the order you like. For details, see » Sorting Programme Positions on page 10.

SONY





PROG SYS B/G

Fig. 5.

Preset channels manually

- Select "Preset« with \triangle + or ∇ and press OK. The PRESET menu appears. (See Fig. 6.)
- Select »Manual Programme Preset« with Δ + or ∇ and press ~

Select No and press OK

► Auto Programme
Manual Programme Preset
Programme Sorting
Parental Lock

(00) CH SEARCH LABEL
CG3 - of 1 --CG3 - of 1 --CG3 - of 1 --CG3 - of 1 --CG4 - of 1 --CG5 -

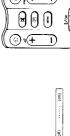
_ **©**

Use this method if there are only a few channels in your area to preset or if you want by preset channels one by one. You may also adlocate programme numbers to various video input

The MANUAL PROGRAMME PRESET menu appears. (See Fig. 7.)

Keep pressing ← To go back to the normal TV picture Press MENU

1-3. ADDITIONAL PRESETTING FUNCTIONS





press OK. The first element of the »CH« number will be highlighted. The first element of the »CHs number will be highlighted. If you have selected EX1 in step 4, select the video input source with Δ + or ∇ —, (See Fig. 9.)

Using \triangle + or ∇ – , select C (to preset a regular channel), S (to preset a cable channel) or F (to tune in by frequency) and

To tune in a channel by frequency After selecting F in step 6, enter three digits using the num-ber buttons.

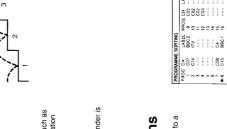
Select if necessary, a video input source (EXT) with \triangle + or \forall = .

Then press OK. The CH position will be hightighted. (See Fig. 8.)

Using \land + or \lor – , select the programme position (number button) to which you want to preset a channel, and press OK.

There are two ways to preset channels. If you know the channel number, go to step »7-Manual«,

if you don't know the channel number, go to step "7-Search",



This section shows you additional presetting functions such as sorting or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is
 - Locate the Menu operation buttons.

Sorting Programme Positions

With this function, you can sort the programme positions to a preferable order.

- Press MENU to display the main menu.
- Select "Preset" with Δ + or ∇ and press OK. The PRESET menu appears.
- Select "Programme Sorting" with \triangle + or $\overline{\triangledown}$ and press OK. The PROGRAMME SORTING menu appears. (See Fig. 14.)
- Using Δ + or ∇ , select the programme position which you want to move to another and press OK.
 The colour of the selected position changes. (See Fig. 15.)

- Using \triangle + or ∇ –, select the programme position to which you want to move the channel of the programme position selected in step 4 and press OK. Now the programme positions have been
 - Repeat steps 4 and 5 to sort other programme positions. sorted. (See Fig. 16.)



<u></u>		Move PR 1 to PR -		Fig. 16.
	-	_	J	ш

Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

- press C twice. The indication "C« ("S« for cable channels) appears on the Press C on the Remote Commander. For cable channels,
- Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4).
 The channel appears. However, the channel will not be stored.



× ×	SONY

PROGRAMME SORTING

(00)		[uo]	
		1	
(July)		(04)	
C 35		C35	
2 8/6	ig. 10.	2 8/6	ia. 11.



The »SEARCH« position is highlighted and the selected channel is now stored. (See Fig. 11.)

Press OK until the cursor appears by the next programme

Ģ

If you have made a mistake Press ← to go back to the previous Repeat steps 3 to 7 to preset other channels.

Select the second element of the number with \triangle + or \forall – or the

The selected number appears. (See Fig. 10.)

number buttons. Press OK.

Ÿ

م

Select the first element of the »CH« number with \triangle + or ∇ – or the number buttons and press OK. The second element of the »CH« number will be highlighted.

7 Manual

	9			
	į			
	(e)			
İ	C 35			
	5 B/G	-7		
Į	~	ij		

2 B/G C50 (▲♥) Fig. 13.

Start searching for the channel with Δ + (up) or ∇ – (down), The CH postion changes colou. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)

Press OK repeatedly until the colour of the SEARCH position

changes.

م

Search ů

2

To go back to main menu Keep pressing ←.

To go back to the normal TV picture Press MENU.

Press OK if you want to store this channel. If not, press \wedge + or

∇ – to continue channel searching.

ņ

-d Press OK until the cursor appears by the next programme

Repeat steps 3 to 7 to preset other channels

φ

SONY

If you have made a mistake Press ← to go back to the previous To go back to main menu To go back to the normal TV picture Press MENU. Keep pressing ← .

MANUAL PROGRAMME PRESET

Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR 4/- buttons. However, the skipped programmes may still be called up when you use the number

- Press MENU to display the main menu.
- Select "Preset« with \triangle + or ∇ and press OK. The PRESET menu appears.
- Select "Manual Programme Preset" with Δ + or V and press OK. The MANUAL PROGRAMME PRESET menu appears.
 - (See Fig. 17.)
- Using riangle + or riangle , select the programme position which you want to skip and press OK. The »SYS« position changes colour.
 - Press \triangle + or ∇ until » – « appears in the SYSTEM position. (See Fig. 18.) 2
- When you select programmes using the PROGR +/- buttons, the programme position will be skipped. Press OK. (See Fig. 19.)
 - Repeat steps 4 to 6 to skip other programme positions.

Fig. 18.

Fig. 19.

Captioning a Station Name

MANUAL PROGRAMME PRESET

— 9 —

Programme names are usually automatically taken from Teletext if available. You can also "name» a channel or an input video source using up to five characters (dietters on numbers) to be displayed on the TV screen (e.g. RTL). Using this function, you can easily identify which channel or video source you are

- Press MENU to display the main menu.
- Select "Preset" with Δ + or ∇ and press OK. The PRESET menu appears.

If you have made a mistake
Press ← to go back to the previous position.

To go back to main menu Keep pressing ←

- Select "Manual Programme Preset" with Δ + or ∇ and press OK. The MANUAL PROGRAMME PRESET menu appears.
 - (See Fig. 20.)

To go back to the normal TV picture Press MENU.

- Select other characters in the same way, if you want to leave an element blank, select and press OK. (See Fig. 21.) Using Δ + or ∇ –, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted. Select a letter or number with \triangle + or ∇ – and press OK. The next element will be highlighted.
 - After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 22.)
- Repeat steps 5 and 6 to caption names for other channels.

MANUAL PROGRAMME PRESET

PROGR

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

Manual Fine-Tuning

LABEL 25666666666

Fig. 17.

To reactivate AFT (automatic fine tuning) Repeat from the beginning and select NON« in step 5.

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

F\$5255555

- Press MENU to display the main menu.
- Select »Preset« with \triangle + or ∇ and press OK. The PRESET menu appears.
- Select »Parental Lock« with \triangle + or ∇ and press OK. The PARENTAL LOCK menu appears. (See Fig. 26.)
- Using Δ + or ∇ –, select the programme position you want to block and press ON. The CH and LABEL change colour indicating that this programme is now blocked. (See Fig. 27.)

LABEL PROG CH LABEL VHS BBCZ BBC1 C4

PROG CH ▼ 0 AV1 2 C42 3 C26 Fig. 27.

Fig. 26.

Repeat step 4 to block other programme positions.

Cancelling blocking

On the PARENTAL LOCK menu, select the programme position you want to unblock with Δ + or ∇ – .

The CH and LABEL change colour to normal colour indicating that the blocking has been cancelled. Press OK.

Select Call and press OK Using Δ + or ∇ – , select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.

Select »Manual Programme Preset« with Δ + or $\overline{\nabla}$ – and press

Select »Preset« with Δ + or ∇ – and press OK. The PRESET menu appears.

Press MENU to display the main menu.

The MANUAL PROGRAMME PRESET menu appears.

(See Fig. 23.)

Fig. 23.

C24 (OF) 2 BrG Fig. 24.

Fine-tune the channel with \triangle + or ∇ – so that you get the best TV reception. As you press the cursor buttons, the frequency changes from –15 to +15. (See Fig. 24.)

The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored.

After fine tuning, press OK.

Repeat steps 4 to 6 to fine-tune other channels.

C24 (off) C25 (off)

Fig. 25.

If you try to select a been brogramme that has been blocked. The message on LOCKED* appears on the blank TV screen. Select Name and press OK AR # # # # # # # # # # # 8888888888888

Fig. 20.

Fig. 21.

C25 (off) SONY. (on)

2 B/G Fig. 22.

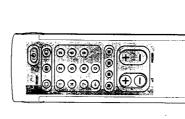
12

=

14

Operating Instructions

1-4. WATCHING THE TV



This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Depress @ on the TV. Switching on

Switching off temporarily

Press Φ on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up.

To switch on again Press \bigcirc , PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely

Depress @ on the TV.

Selecting TV Programmes

Press PROGR +/- or press number buttons.

0000

To select a double-digit number

Press -/- , then the numbers. For example, if you want to choose 23, press -/- -, 2 and 3.

Adjusting the Volume

Press 4/-.

and if the standby indicator on the TV is lit, the TV is in standby mode. Press © or one of the number buttons to switch it on.

If no picture appears when you depress ① on the TV

Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

Then adjust with the -/+ buttons.

Press P→Z→ ⊕ button repeatedly until the programme

Press -/+ buttons to switch on the TV from the standby mode. Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function).

Watching Teletext or Video Input

For details of the tele-text operation, refer to page 18.

Press one of the coloured buttons for fastext operation. Press oxdots (PAGE +) or oxdots (PAGE -) for the next or preceeding

Press (to view the teletext.)
Press three number buttons to select a page.

Watching teletext

page. To go back to the normal TV picture, press $\boldsymbol{\bigcirc}$

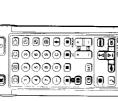
Watching a video input picture

For details of the video input picture, refer to page 23.



Press ① repeatedly until the desired video input appears. To go back to the normal TV picture, press 〇.

More Convenient Functions Use the Full-Function side of the Remote Commander. Displaying the on screen indications











Press G once to display all the indications. They will disappear after some seconds. Press G twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

Muting the sound

To resume normal sound, press of again.

Press

. This function is available only when teletext is broad-To make the time display disappear, press 🕮 again. Displaying the time

Displaying of the Programme Table

Press OK. A Programme Table will be displayed on the right side of the TV screen (See. Fig. 28.)

Selecting of TV programmes Press PROGR +/- or select the desired programme position using Δ + or $\overline{\gamma}$ - and press OK.

To make the Programme Table disappear Press MENU.



Fig. 28.

13

1-5. ADJUSTING AND SETTING THE TV USING THE MENU



Adjusting the Picture

and Sound

aspect ratio of the TV display for wide screen effect. You can also select dual sound (bilingual) programmes when available, adjust the sound for listening with the headphones (i') or individually adjust and store the volume level of each channel (Volume offset), set). Also you have the possibility to adjust the sound to your individual taste using the Graphic Equalizer and special Sound Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can set the resolution to obtain a higher quality picture or change the effects.

SOUND PICTURE

Press 👅 (for picture) or ♪ (for sound) on the Remote Comman-

Press MENU and select »Picture Control« or »Sound Control«

ō

then press OK. The PICTURE CONTROL or SOUND CONTROL menu appears. (See Fig. 29. or Fig. 30.)

Using Δ + or ∇ – , select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 31.) The cursor appears beside the next item (at the left margin). Adjust the setting with \triangle + or ∇ – and press OK

(See Fig. 32.) For the effect of each control, see the table below.

Repeat steps 2 and 3 to adjust other items.

Effect of each control PICTURE CONTROL

Brightness ► Colour Fig. 31. Brightness



Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this table.

From the main menu, select »Programme Table« with \triangle + or \heartsuit – and press OK. The PROGRAMME TABLE menu appears. (See Fig. 34.) To scroll to higher programme numbers, press \triangle + or ∇ –.

To select a programme using this menu Select the programme number with Δ + or ∇ – and press OK. The selected programme appears.



Fig. 34.

Using the Sleep Timer
You can select a time period after which the TV automatically switches into standby mode.
From the main menu, select »Timer« with \triangle + or \triangledown – and press OK
The TIMER menu appears. (See Fig. 35.)
Press OK. The time period option changes colour.
Solvet the time period with \wedge + or \triangledown -

Select Ma and press OK

Fig. 35.

Sieep Timer (off)

Graphic Equalizer

Using this function you can individually adjust the sound by cut-ting and boosting selected frequencies. You can also select between the following modes: Flat → Pop → Rock → Jazz → Vocal → User

FLAT ROCK VOCAL USER

GRAPHIC EQUALIZER

200-001 K.ac. 104

Fig. 33.

Select »Sound control» in the Main Menu, then select »Graphic equalizer« using Δ + or ∇ – and press OK.

Press OK. The colour of »Mode« changes. (See Fig. 33.) Select the desired mode with $\Delta+$ or ∇ –, then press OK. If you want to modify a mode, select the desired bar of a frequency band using $\Delta + \text{ev} \nabla - \text{and}$ press OK. The selected bar changes colour. Using $\Delta + \text{ev} \nabla - \text{adjust the level of frequency}$ and press OK. In this way you can adjust all 5 graphic bars.

Press MENU to return to the normal TV mode.

To switch off the

High: Obtain a higher picture quality

16:9 Wide screen effect

4:3 Normal

off. Normal

Resolution

To go back to the normal TV picture Press MENU.

Format

To go back to the main menu Keep pressing ←.

Reset

Resets picture to the factory preset levels

Greenish — Heddish

Sharpness

Darker ---- Brighter

Brightness

Colour

If you have made a mistake

Press ← to go back to the previous

Ŧ

Contrast

More

ress-

Effect

- More

Less

Select Col and press OK

Fig. 30.

To go back to the normal TV picture Press MENU.

TIMER TO THE

To check the remaining time Press (3).

The TIMER menu Press OK.

A: channel 1 B: channel 2 stereo mono The selected mode of The A-C)-B indicator on the TV lights up PIP (if PIP is switched on you can select the PIP sound for the headphones) Choice between special sound effects: Dome, Hall, Arena, Simulated (gives width to a monaural source) D; channel 2 stereo mono (See page 16 for more information) -7 Less 0 More +7 More left — More right Less — More A. Ghannel 1 off: Normal Effect SOUND CONTROL Graphic Equalizer Digital Surround Volume offset Headphones: ii Dual Sound **Dual Sound** O Volume

Note on LINE OUT
The audio level and
the dual sound mode
output from the G+
jack on the rear correspond to the Headphone VOLUME and

HUE is only available for NTSC colour system and RESOLU-TION does not work for SECAM colour

Select "OFF« in step 3.

Select the time period with \triangle + or ∇ –. The time period (in minutes) changes as follows: $10 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 50 \rightarrow 60 \rightarrow 70 \rightarrow 80 \rightarrow 90$ The time period of

After selecting the time period, press OK.

The cursor moves back to the left margin and the timer starts counting.

One minute before the TV switches into standby mode, a message is displayed on the screen.

Select DC and press OK

SOUND CONTROL

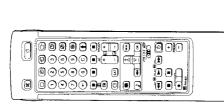
Fig. 29.

αi Note:
The modifications made in »User« will be stored. All other settings are reset to the lactory-set level when you chyange to another mode.

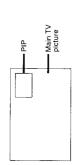


When watching video input picture You can select DUAL SOUND to change the sound. 12

1-6. PIP (PICTURE-IN-PICTURE)



With this function you can display a "PIP screen" (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTP) while watching TV or vice versa. For information about connection of other equipment, refer to page 22.



Switching PIP on and off

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off Press C again.

Selecting a PIP source

The symbol I will be displayed at the bottom, left-hand corner of the screen.

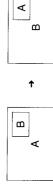
Press © repeatedly until the desired source is indicated (e.g. TV, AV 1, AV 2, YC2, AV 3, YC3, AV 4, YC 4).

Note

f no video source has been connected, the PIP picture will be .ysior

Swapping screens

The main screen will switch the picture with the PIP screen



If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press I and then the programme buttons or PROGR +/-

Press (repeatedly to change the position of the PIP screen within the main screen. There are four different positions avai-Displaying of PIP within Teletext

Changing the position of the PIP

PRESS C While feletext is switched on.
The PIP screen will be displayed on the right side of the TV screen, the reduced teletext page will be displayed on the left side. Press C again to make the PIP screen disappear.

text on awitch tele-text on and off, ope-rate Fastext, and directly select page numbers.







Fastext operation is only possible, if the TV station broadcasts Fastext signals.

1-7. TELETEXT

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

Select the TV channel which carries the teletext broadcast you want to watch.

8

Press (a) to switch on teletext.

A teletext page will be displayed (usually the index page).

If there is no teletext broadcast, »No text available» is displayed on the information line of the screen.

To switch teletext off Press ().

Selecting a teletext page

With direct page selection Use the number buttons to input the three digits of the chosen

if you have made a mistake, type in any three digits. Then re-enter the correct page number. page number.

With page-catching Select a teletext page with a page overview (e.g. index page).

Press OK. »Page catching» will be displayed on the information line. The last digit if the first displayed page number flashes. Using $\Delta + \text{ or } \nabla - \text{ select}$ the desired page and press OK. Press © to resource normal leletaxt reception. N

Teletext errors may occur if the broad-casting signals are weak. With the simple side of the Remote Com-

Accessing next or preceding page Press ® (PAGE +) or ® (PAGE -). The next or preceding page appears.

Superimposing the teletext display on the TV programme

Press

once in teletext mode or twice in TV mode. Press

again to resume normal teletext reception.

Preventing a teletext page from being updated Press (HOLD). The HOLD symbol » (A.« displayed on the information line. Press (to resume normal teletext reception.

Using Fastext

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander

Press the corresponding coloured button on the Remate Commander which corresponds to the colour-coded menu. The page wift us displayed after some seconds.

NOS

Note RGB input source cannot be displayed in PIP.

® Ø ⊙ ⊙ ⊙ **●• •** 0 0 3

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched in, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

Press MENU. The menu will be superimposed on the teletext

Using \triangle + o ∇ –, select the teletext function you want and press OK. (See Fig. 37.) display. (See Fig. 36.)

USER PAGES/PRESET USER PAGES

See page 21 for information about presetting and operating the user pages.

INDEX

User Pages

Finds

Dual Page Acde
Top/Battonn/Full
Text Clear
Subtites
Hevaal
Time Page Subpage
Preset User Pages

TELETEXT MENU

The index will give you an overview of the contents of the teletext and the page numbers.

After having selected the function two succeeding teletext pages will be displayed next to each other on the TV screen. DUAL PAGE MODE

Accessing next or preceding page Press PROGR +/-.

Page Catching Press OK. Page Catching is now active on the left teletext page

(See also page 18). While you select a page number on the left page using \triangle + While you select a page number on the left page will be displayed on the right side of the TV screen.

Some of the features may not be available depending on the Teletext service.

To cancel the function:

Press ←

If you press OK again the right teletext page will appear on the left side of the TV screen.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display with the ability to scroll up and down. After having selected the function, an information line TOP/BOTTOW/FULL will be displayed. (See Fig. 38.)

∆ Top 7 Bottom OK Fult

Fig. 38.

(11)

Press Δ + for »Top« to enlarge the upper half. Keep pressing ∇ – for »Bottom« to enlarge the lower one. Press OK for »Full« to resume the normal size. Press 🖹 to resume normal teletext reception.

TEXT CLEAR

programme while waiting for a requested teletext page to be displayed. (The symbol changes colour) (See Fig. 39.) Press 🗐 to view the captured page. After having selected the function, you can watch a TV

Fig. 39.

SUBTITLES

Your teletext service will inform you if a TV programme is subtitled. After having selected the function the subtitles will be



To cancel the request Select *OFF* for the TIME PAGE setting.

To cancel the request Select subpage and press OK.

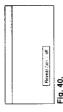


Fig. 40.

Your teletext service will inform you, if a time coded page is available. You may have a page (e.g. an alarm page) displayed at a

Press OK. An information window will be displayed at the bottom

To select the desired page, enter three digits for the page number (e.g. 301) using the number buttons. (e.g. 1800) using the number buttons. Press MENU. The selected time is displayed at the top in the left-handed corner. At the requested time, the page will be displayed.

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed.

To cancel the request Select subpage and press OK.

Sometimes pages contain conceated information, such as answers to a quiz. The reveal option lets you discose the information. After having selected the function, an information line—HEVEAL ON/OFF- will be displayed. (See Fig. 40.)

Using \triangle + or ∇ –, select ON to reveal the information or OFF to conceal it again. Press 🖲 to resume normal teletext reception

Reveal or off

Fig. 40.

TIME PAGE

Your teletext service will inform you, if a time coded page is avail-able. You may have a page (e.g. an alarm page) displayed at a certain time.

Press OK. An information window will be displayed at the bottom of the page. Using Δ + or ∇ – select ON and press OK.

2 To select the desired page, enter three digits for the page number (e.g. 301) using the number buttons.

To select the desired time, enter four digits for the desired time (e.g., 1800) using the number buttons. Press MENU.
The selected time is displayed at the top in the left-handed corner. At the requested time, in a page will be displayed.

Press (2) to resume normal teletext mode.

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed. To select the desired subpage, enter four digits using PROGR 4/- or the number buttons, (e.g. enter 0002 for the second page SUBPAGE

REVEAL

Select CL and press OK

Fig. 37.

of a sequence).

Sometimes pages contain concealed information, such as answers to a quar. The reveal option flets you disolose the information. After having selected the function, an information line hREVEAL ON/OFFs will be displayed. (See Fig. 40.)

Using \triangle + or ∇ -, select ON to reveal the information or OFF to

Press

to resume normal teletext reception.

TIME PAGE

certain time.

of the page. Using \triangle + or ∇ – select ON and press OK

To cancel the request Select "OFF" for the TIME PAGE setting.

To select the desired time, enter four digits for the desired time

Press (2) to resume normal teletext mode.

To select the desired subpage, enter four digits using PROGR #/- or the number buttons. (e.g. enter 0002 for the second page of a sequence).

1-8. CONNECTING AND OPERATING OPTIONAL EQUIPMENT

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VTRs, video disc players, and stereo systems.

To connect a VTR using the Tr terminal Connect the aerial output of the VTR to the aerial terminal Tr

of the TV
We recommend that
you turn in the video
signal to programme
number "0". For
details see "Preset
channels manually"
on page 8.

If the picture or the sound is distorted Move the VTR away from the TV.

After having con-methed all optional equipment to the TV, attach the supplied cover onto the rear panel (See Illustration at the right).

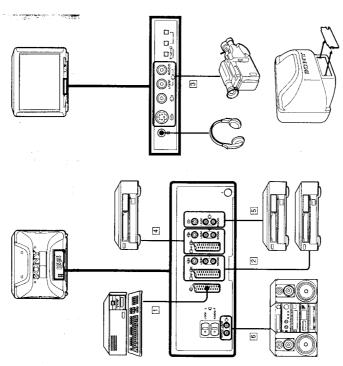
Wideo signals may be asparated miny (illuminance or bright mance) signals. Separation of chrominance) signals. Separation of chrominance) signals prevents them from interfering with one another, and therefore minroves picture quality (esperically furninance). This TV is equipped jacks through which indees separated signals, though which these separated signals. S video input (Y/C input)

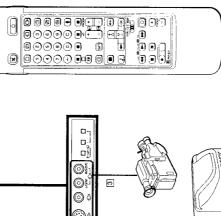
When connecting a monaural VTR Connect only the white Θ jack to both the TV and VTR.

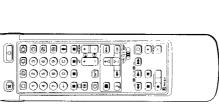
Normal audio/video and RGB signal
 Normal audio/video and S video signal

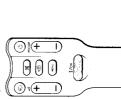
5 No inputs [6] No inputs

Acceptable input signal









SONY

Video/audio displayed on TV screen (monitor out) Video/audio from selected source

No outputs

Video/audio from TV tuner

Available output signal

S video/audio signal displayed on TV screen (monitor out)

Audio signal (variable)

S video input through the 🕩 4 / 码 4 or + 包 4 connector (4-pin connector) S video input through the 🕩 2/ 🕾 2 or 🕾 2 connector S video input through the @ 3 connectors on the front Audio/video input through the ⊕ 2/⊕ 2 connector Audio/video input through the 🕩 4 / 🗐 4 connector Audio/video input through ⊕ 3 and ⊕ on the front This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system. Audio/video input through the - 🕉 1 connector RGB input through the -6 1 connector Selecting input and output Press © repeatedly to select the input source. The symbol of the selected input source will appear. (4-pin connector) To go back to the normal TV picture Input signal Selecting input Input modes Press (). Symbol 9 9 9 9 9 - 9 (£)

You can preset video input sources to the programme positions so that you can select them with PMOGR +/- or number but- frons. For details, see "Preset channels amanually, on page 8.

Selecting input with PROGR +/- or number buttons

-

In this case, first select ⊕ , and then press -/+ buttons to select the innut

<u>_</u>

from the other connectors.	ors.
Press G+ repeatedly to select the output. The symbol of the selected output source	Press G→ repeatedly to select the output. The symbol of the selected output source appears.
Output modes	
Symbol	(→ 2/⊕ 2 connector outputs
Ф1	The audio/video signal from the -@ 1 connector
2⊕	The audio/video signal from the ⊕ 2/ ⊕ 2 connector
2.0	The audio/S video signal from the 🕒 2/ 🖲 connector
3 0 0	The audio/video signal from the € 3 and € 3 connectors
3. T	The audio/S video signal from the ⋅ 3 and ⋅ 3 connectors
Ф	The audio/video signal from the ⊕ 4 / € 4 connector
4 (T)	The audio/S video signal from the ⊕ 4 / ⊕ 4 connector
TV ()	The audio/video signal from the Tr aerial terminal

1-9. FOR YOUR INFORMATION

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

Select "Video Connection" with Δ + or ∇ – and press OK. The VIDEO CONNECTION ment appears. (See Fig. 43). VIDEO can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.

BBC 1 VHS 2 CAM 2 BETA VHS 3 Fig. 45 402 403 403

VIDEO CONNECTION

Output: Select (M) and press OK P(P BBC 1 VHS 1 COMPU VHS 2 CAM 2 BETA VHS 3 Fig. 46 CAM 1 7.828.2828.88 2.828.2828.88 2.828.2828.88 2.828.2828.28 2.828.2828.28 2.828.2828.28 2.828 2.828.28 2.828.28 2.828 2.828.28 2.828 2.828 2.828 2.828 2.828 2.828 2.828 2.828 2.828 2.828

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control other remote-controlled equipment. The buttors for video operation have been factory-set to control most of Sony video equipment, such as: Beta, 8mm or VHS VTRs or video disc players.

Tuning the Remote Commander to Sony equipment

- Set the VTR 1/2/3 MDP selector according to the equipment you want to control:
- VTR 1: Beta or ED Beta VTR
 - VTR 2: 8mm VTR
- Video disc player VTR 3: VHS VTR MDP
- Use the buttons indicated in the illustration to operate the additional equipment. If your video equipment is furnished with a COMMANID MODE selector set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander. If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

P W TV BBC 1 AV1 VHS 1 RGB COMPU YC2 VHS 2 YC2 CAM 2 AV3 BETA YC3 VHS 3 YC4 CAM 1

• Press

to enter the PICTURE CONTROL menu and adjust "Brightness", "Contrast" and "Colour".

Check if the selected video source is on.
 Turn the TV off for 3 or 4 seconds and then turn it on again using O.

Press ■ to enter the PICTURE CONTROL menu, select »Reset«, then press OK.

• Press ⊿+. • If of is displayed on the screen, press of.

Poor picture quality when watching a RGB video source

1 PLUS VHS 1

≥ ≨

Fig. 44

Good picture but no sound

Poor or no picture (screen is dark),

but good sound

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

Replace battery.

Remote Commander does not function

No colour for colour programmes

Plug the TV in.
 Press Ø on the TV. (If Ø indicator is on, press Ø or a programme number

on the Remote Commander. Check the aerial connection

Here are some simple solutions to problems which may affect the picture and sound.

No picture (screen is dark), no sound

Problem

Output

Select To and press OK

Fig. 43

CAM 1

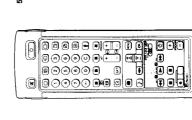
Select TV screen (input source for the TV screen), PIP (input source for the PIP screen), or Output (output source) with Δ + or ∇ – and press OK. One of the source items changes colour. (See Fig. 44.)

Select the desired source with \triangle + or ∇ -. (See Fig. 45.) For details about each source, see the table on page 23.

The selected source is confirmed, and the cursor appears. (See Fig. 46.)

Press OK.

Repeat steps 2 to 4 to select the source for other inputs or outputs.

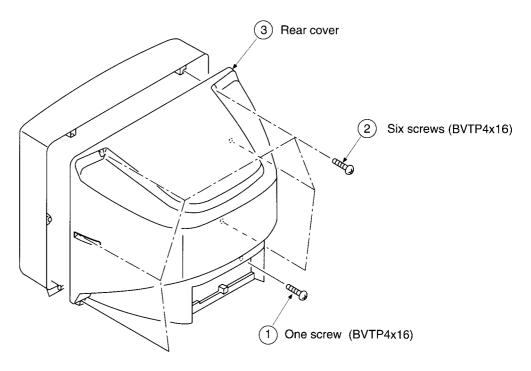


When recording When you use the (record) button, make sure to press this button and the one to the right of it simultaneously.

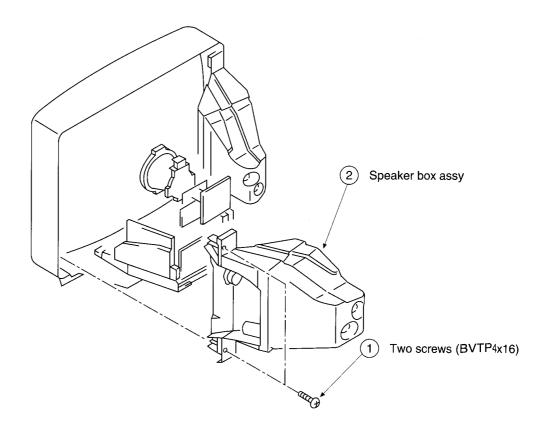
N

SECTION 2 DISASSEMBLY

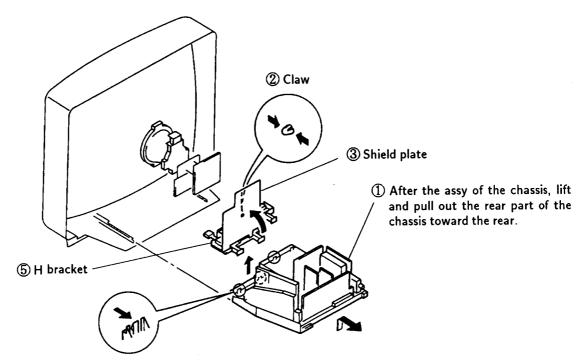
2-1. REAR COVER REMOVAL



2-2. SPEAKER REMOVAL



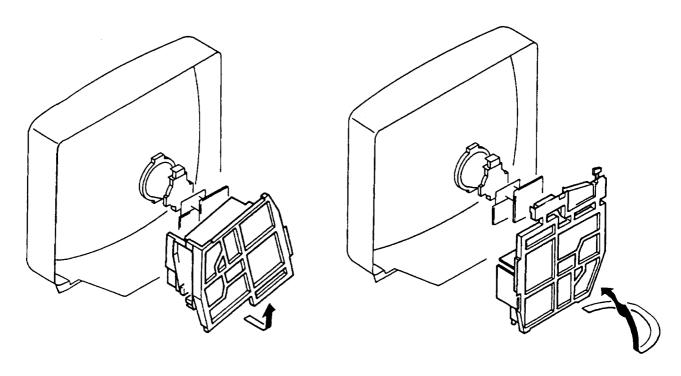
2-3. CHASSIS ASSY REMOVAL



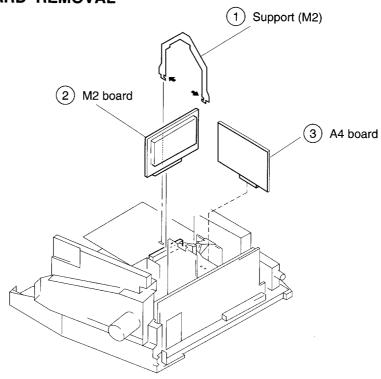
4 Push the three claws of the chassis in the direction of the arrow and remove the H bracket upwards.

2-4. SERVICE POSITION

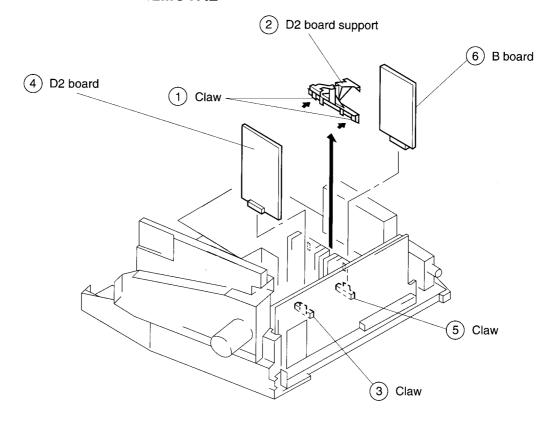
Remove the H bracket from the chassis assy and then perform the following servicing. (Refer to 2-3. CHASSIS ASSY REMOVAL)



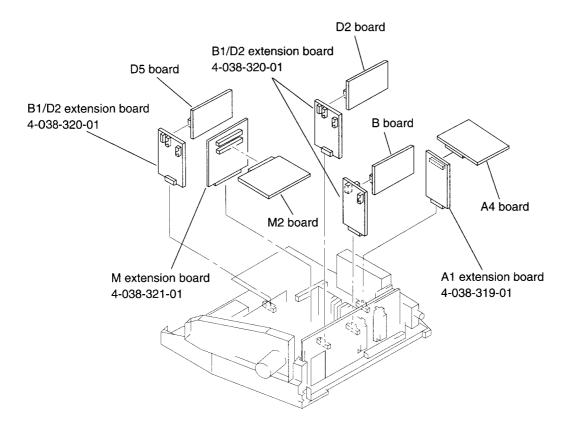
2-5. M2 AND A4 BOARD REMOVAL



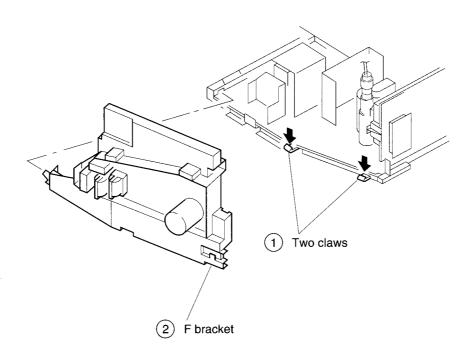
2-6. D2 AND B BOARD REMOVAL



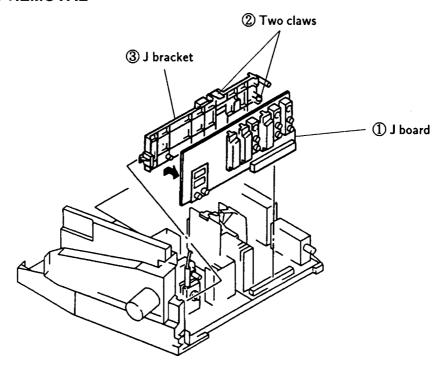
2-7. EXTENSION BOARDS



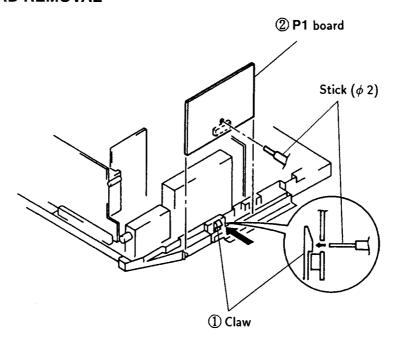
2-8. F BRACKET REMOVAL



2-9. J BOARD REMOVAL



2-10. P1 BOARD REMOVAL



2-11-1. WIRE DRESSING

Keep distance between 1 and 2

CN 403

CN 403

CN 0831

CN 0525

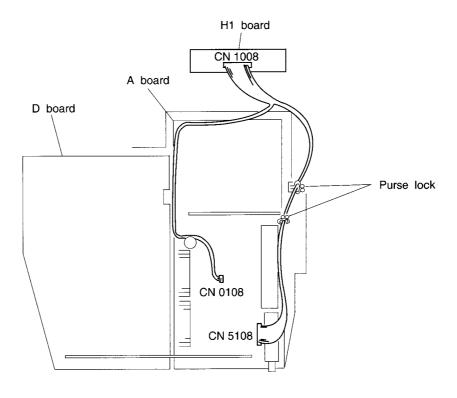
CN 0931

F1 board

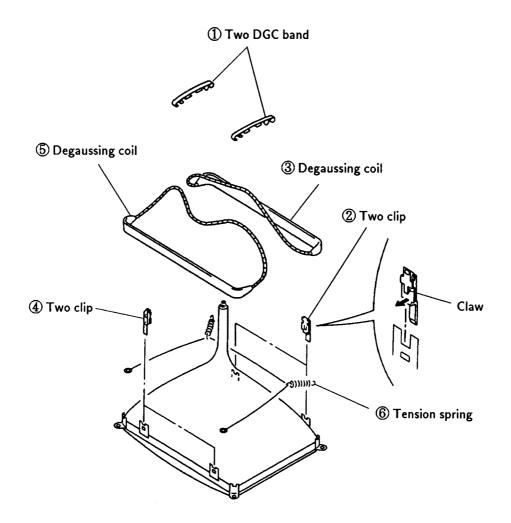
CN 0925

Power cord

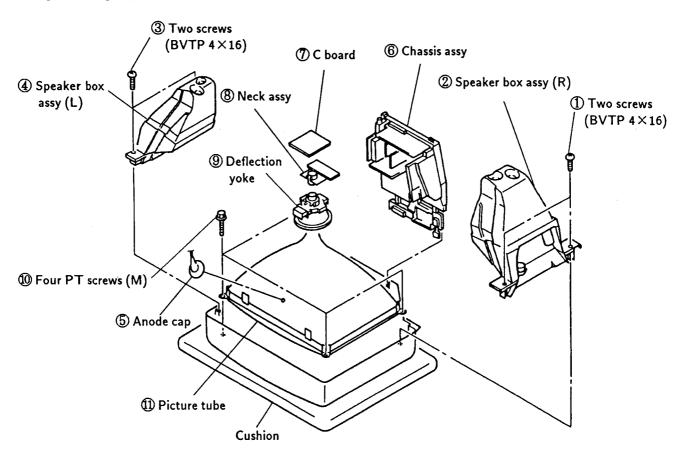
2-11-2. WIRE DRESSING



2-12. DEGAUSSING COIL REMOVAL



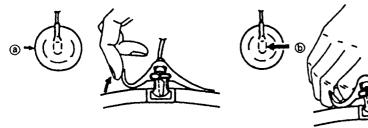
2-13. PICTURE TUBE REMOVAL



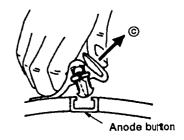
• REMOVAL OF ANODE - CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

REMOVING PROCEDURES



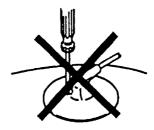
- direction indicated by the arrow (a).
- Turn up one side of the rubber cap in the 2 Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b).

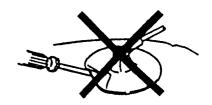


3 When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

• HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook
- terminal is built in the rubber. Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:

Ocontrast 80% (or remote control normal)

 ☼ Brightness
 50%

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- Input the white signal with the pattern generator.
 Contrast Brightness normal
- 2. Position neck assy as shown in Fig.3-2.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig. 3-1 3-3)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

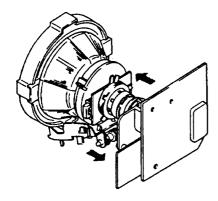
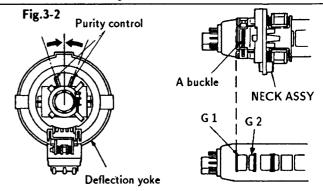


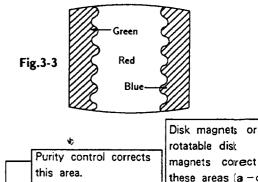
Fig.3-1

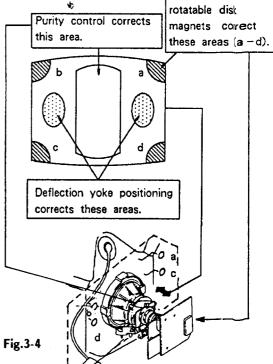
- Carry out the following adjustments in this order:
- 1. Beam landing
- 2. Convergence
- 3. Focus
- 4. White balance

Note: Testing equipment required.

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope





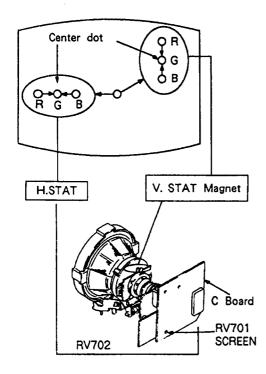


3-2. CONVERGENCE

Preparations:

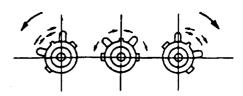
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

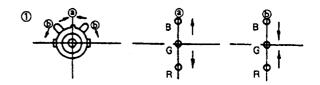


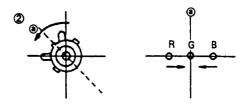
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below. (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

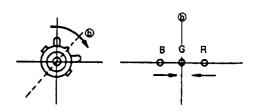
● Tilt the `V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

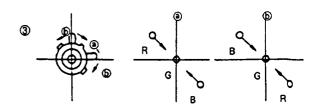


4. If the V.STAT magnet is moved in the direction of the and arrows, the red, green, and blue points move as shown below.









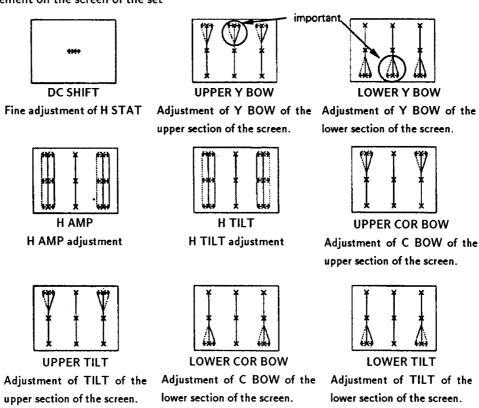
(2) Dynamic convergence adjustment

- 1. Adjust horizontal convergence located at the center position of the screen with H STAT VR.
- Enter into service mode. (Refer to the section 2
 "Electrical Adjustment" on how to enter service
 mode.)
- 3. Select CXA 1526 on menu.
- 4. Select each item and adjust them so that each item attains optimal convergence.
- 5. Press OK button to write the data.

CXA 1526

Item No.	Adjustment item	Data Amout
01	DC SHIFT	32
02	UPPER Y BOW	4
03	LOWER Y BOW	5
04	Н АМР	48
05	H TILT	29
06	UPPER COR BOW	32
07	UPPER TILT	
08	LOWER COR BOW	32
09	LOWER TILT	32

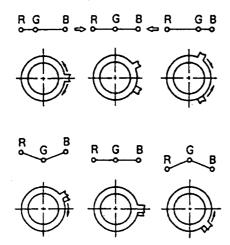
R.G.B.dots movement on the screen of the set



At this time, H.TILT, H.AMP, UPPER TILT, UPPER COR, BOW, LOWER TILT, and LOWER COR, BOW look like all the same, but the movement of the

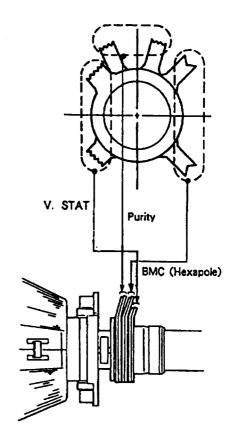
right and left dots are reverse in all the TILT system. (Pay attention to the dotted lines.)

• Operation of BMC (Hexapole) Magnet



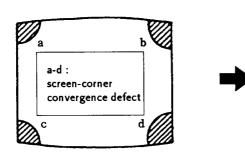
 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

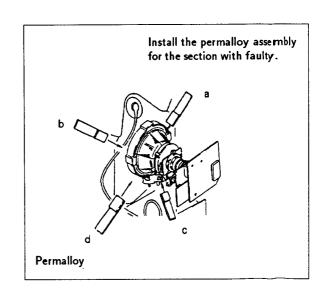
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).



(3) Screen corner convergence

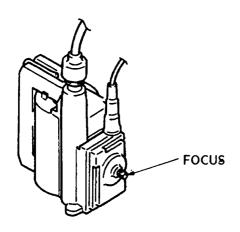
If you cannot adjust corner convergence properly, correct them with permalloy.





3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
- While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

- 1. Receive all-white signal.
- 2. Enter into service mode. (Refer to the section 4 "Electrical Adjustment" to how to enter service mode.)
- 3. Select CXA 1587 on menu.

CXA 1587

Item No.	Adjustment item	Data amout
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

- 4. Set picture to MAX.
- 5. Adjust G-DRIVE B-DRIVE with **(1)**, **(2)** buttons so that the white balance becomes optimum.
- 6. Press OK button to write the data for each item.
- 7. Set picture to MIN.
- 8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R
 -MANUAL CUT OFF, G-MANUAL CUT OFF and
 B-MANUAL CUT OFF with ∑, ∑ buttons so
 that the white balance becomes optimum.
- 9. Press OK button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-831.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

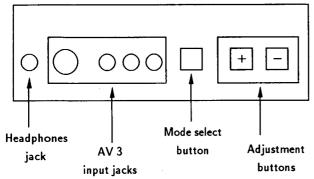
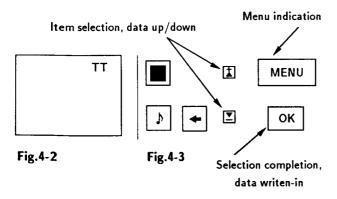


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

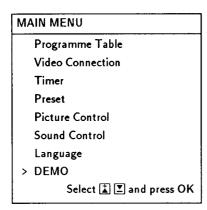


Fig.4-4

- 4. Press the **★** and **▼** buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- 6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.

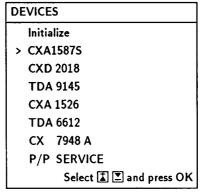


Fig.4-5

7. If adjustment item is CXA1587S, press the ∑ button and move > to CXA1587S.

CXA1587S

Item No.	Adjustment item	Data Amout
01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.

- 8. Press OK button to get the next selection menu.
- 9. Press

 button and move > to the adjustment item and press OK button.

 OK button.
- 10. Press the **▲** and **►** buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when completing the adjustment.

CXA1587S

Item No.	Adjustment item	Data Amout
01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	ON
32	PRE/OVER SHOOT	12
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

CXA 1526

item No.	Adjustment item	Data Amout
01	DC SHIFT	32
02	UPPER Y BOW	4
03	LOWER Y BOW	5
04	H.AMP	48
05	H TILT	29
06	UPPER COR BOW	32
07	UPPER TILT	32
80	LOWER COR BOW	32
09	LOWER TILT	32

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB OFF	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	V EXTENTION	OFF
47	AFC 1	1
48	AFC 2	0
49	AFC OFF	ON
50	REF.POSITION	0

CXD 2018

	I	T
Item No.	Adjustment item	Data Amout
01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAN	OFF
19	INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.

Typical Value (OSD based) when receiving PAL Philips pattern.

TDA 6612

Adjustment item	Data Amput
Stereo-Separation	30

Should be adjusted twice 4:3 and 16:9 mode.

Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0403 (1) pin (R IN) on the C board.
- 3. Enter into service mode and press 3, 8.
- 4. Adjust data by \triangle or ∇ to minimize the chroma element of CN 0403 1 pin.

SUB BRIGHTNESS ADJUSTMENT

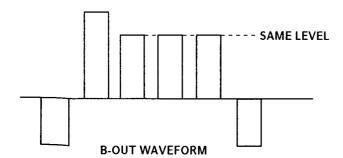
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- 1. Input a video that contains small 100% area on the Black Back ground.
- 2. Enter into service mode and press 01 to have PIC max followed by 21.
- 3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R IN).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0403 ③ pin (B IN) on the C board.
- 3. Enter into service mode and press 22 of CXA 1587 S, 8 SUB COLOR.
- 4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- 1. Input 1kHz stereo signal to the L-ch and 400Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- 3. Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

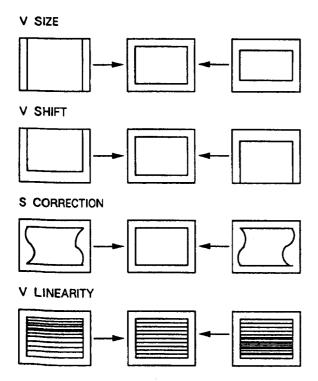
See direct test mode list attached and refer to sub brightness or such for adjustment method.

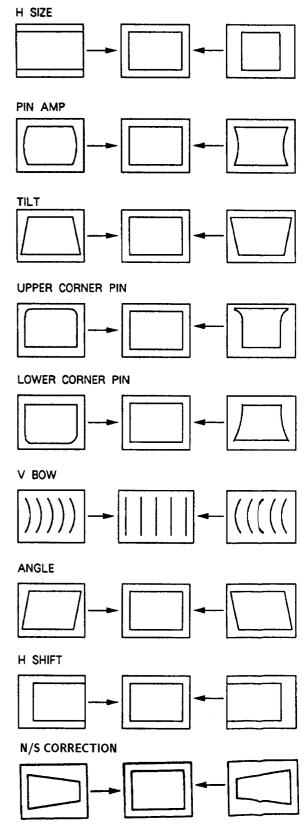
DEFLECTION SYSTEM ADJUSTMENT

- 1. Enter into service mode and select CXD 2018.
- 2. Select and adjust each item in order to get an optimum image.

CXD 2018

Item No.	Adjustment item	Data Amout
01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	NON INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.





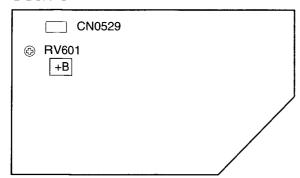
3. PressOK button to write the data.

If menu display may disturb the adjustment press of to clear, to resume it, press of again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

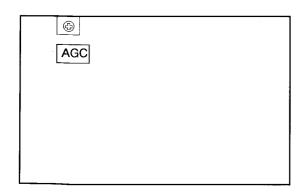
+B (+135V) ADJUSTMENT (RV601)

D BOARD



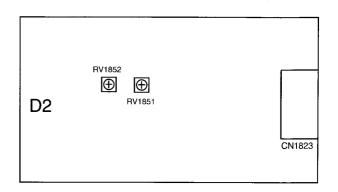
- 1. Switch on the power to the TV set.
- 2. Connect a digital multi-meter to pin ① of CN0529 on D board.
- 3. Adjust RV601 on D board to $+135V \pm 0.5V$.

AGC ADJUSTMENT (IF BLOCK)

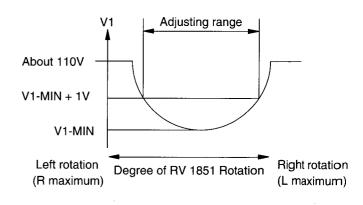


- 1. Receive an off-air signal.
- 2. Adjust the AGC VR so that there is no snow noise or cross-modulation visible on the screen.
- 3. Change the receiving channel and confirm status.

DRIVE PULSE PHASE ADJUSTMENT (RV 1851)



While measuring the voltage V1 at both edges of C1859, rotate RV 1851 so that it becomes minimum.
 The adjusting range is from (the voltage at which V1 becomes minimum) V1 MIN to 3V, which means, adjust to between V1 MIN to V1 MIN + 1V.



4-3. TEST MODE 2:

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbers. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

	The state of the s
00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness
	max., Aging 2 Mode of CXA 1587S, TDA 2595 is
	locked to CXA 1587S via PIN 34 of μ -Con.)
08	Shipping Condition (Analog Values are RESET due
	to factory setting, Prog 1 is selected, TT Mode is
	switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM
	Reads Volume, Balance, Treble, Bass, Brightness,
	Contrast, Hue, Sharpness, Colour values from ROM
	to the actual used values (Last Power Memory)
16	Save actual used values as RESET values
	Memorize actual used values Balance, Treble, Bass,
	Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24-29	dummy

20	
30	Tenth entry is deleted
31	Green Drive
32	Blue Drive
33	Green Cut Off (Auto Cut Off)
34	Blue Cut Off (Auto Cut Off)
35	Red Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
36	Green Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
37	Blue Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
38	Y-Filter adjustment (Trap is switched off and TDA
	9145 is switched in forced NTSC Mode)
39	dummy
40	Tenth entry is deleted
41	Default setting of CXA 1587S
	(Only in Plog 99 available)
42	Default setting of CXA 2018
	(Only in Plog 99 available)
43	Default setting of CXA 1526
	(Only in Plog 99 available)
44	(all Port High) Not yet
45	(all Port High) Not yet
46-48	dummy
49	Erease the NVM Testbyte (this byte detects already
	stored NMV's) After selecting this function, switch
	TV Off and On $ ightarrow$ the NVM will be preset by μ -
	Controller. (Not the channel data)
L	

Note: For No. 35, 36, 37 and 38 special pressing
(AKB, forced Color Mode, Trap) isselected.
After selecting a new Test Mode Number,
the AKB is switched ON, the Trapis
switched On and TDA 9145 is switched to
Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnos system can operates as follows.

• When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.

I²C ERROR

↓

WAIT 25 SEC

↓

STD-BY

↓

ON

25 SEC

↓

STD-BY

In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner PII
4	TDA 9145	Colour decoder
5	CXA 1587S	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection
C. II I ED II'	•	

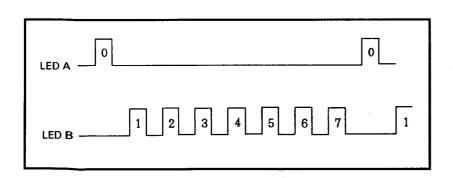
Stand by LED blinking

No IK return

4-5. ERROR II C BUS DIAGNOSIS SYSTEM IN AE2 CHASSIS

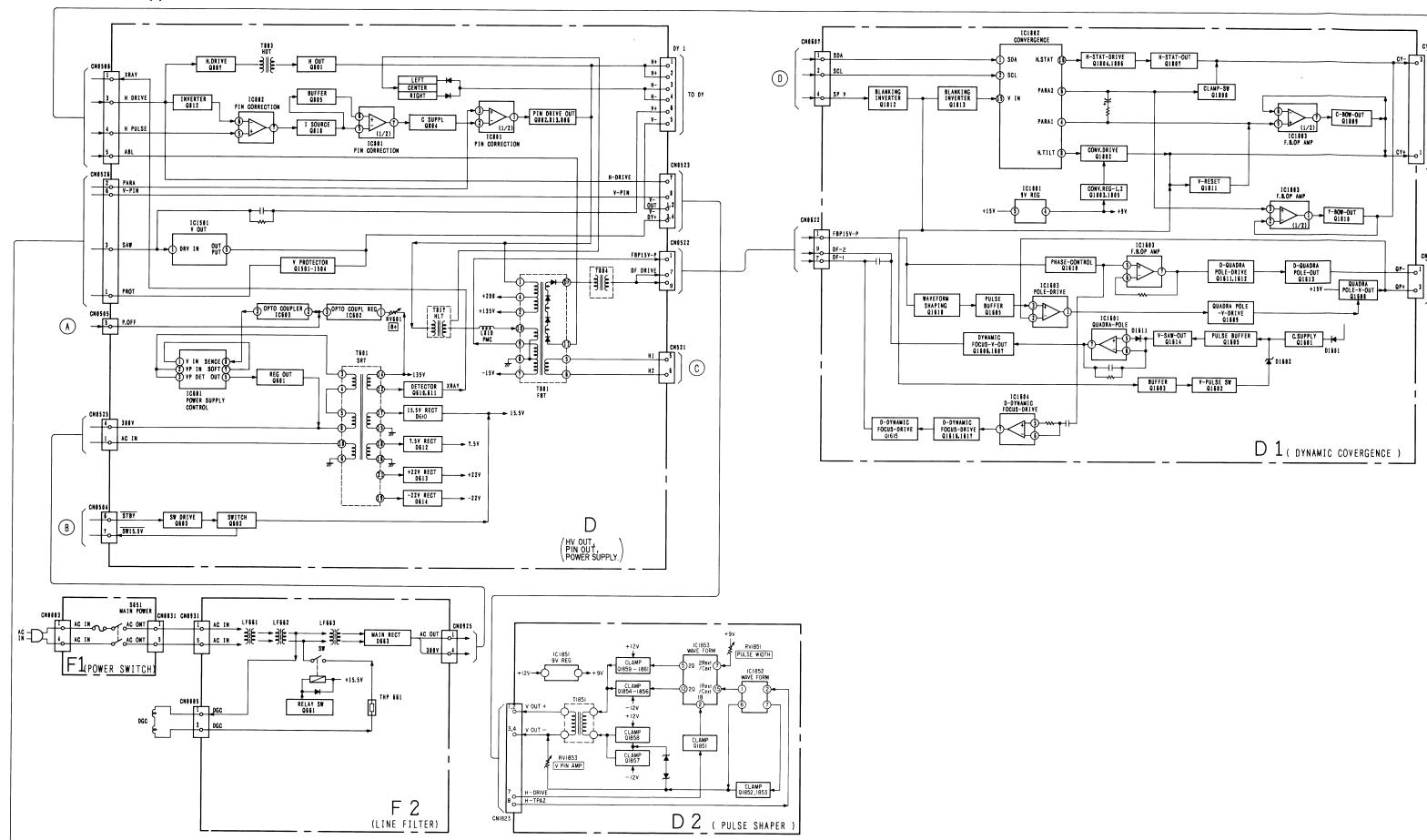
For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

In case of no acknowledge bit, LED A and LED B starts blinking as shown.

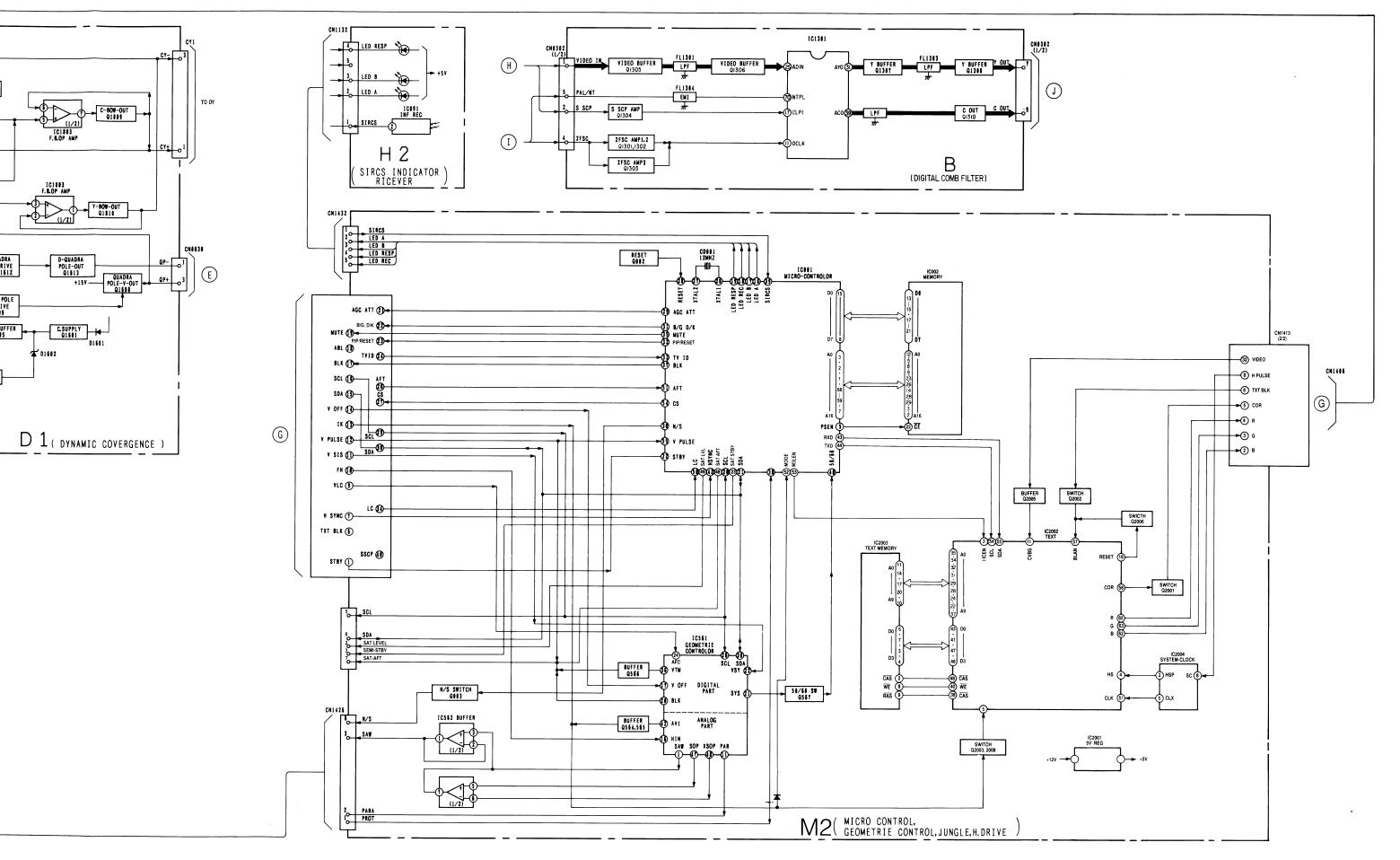


MEMO	
	- <u>-</u>

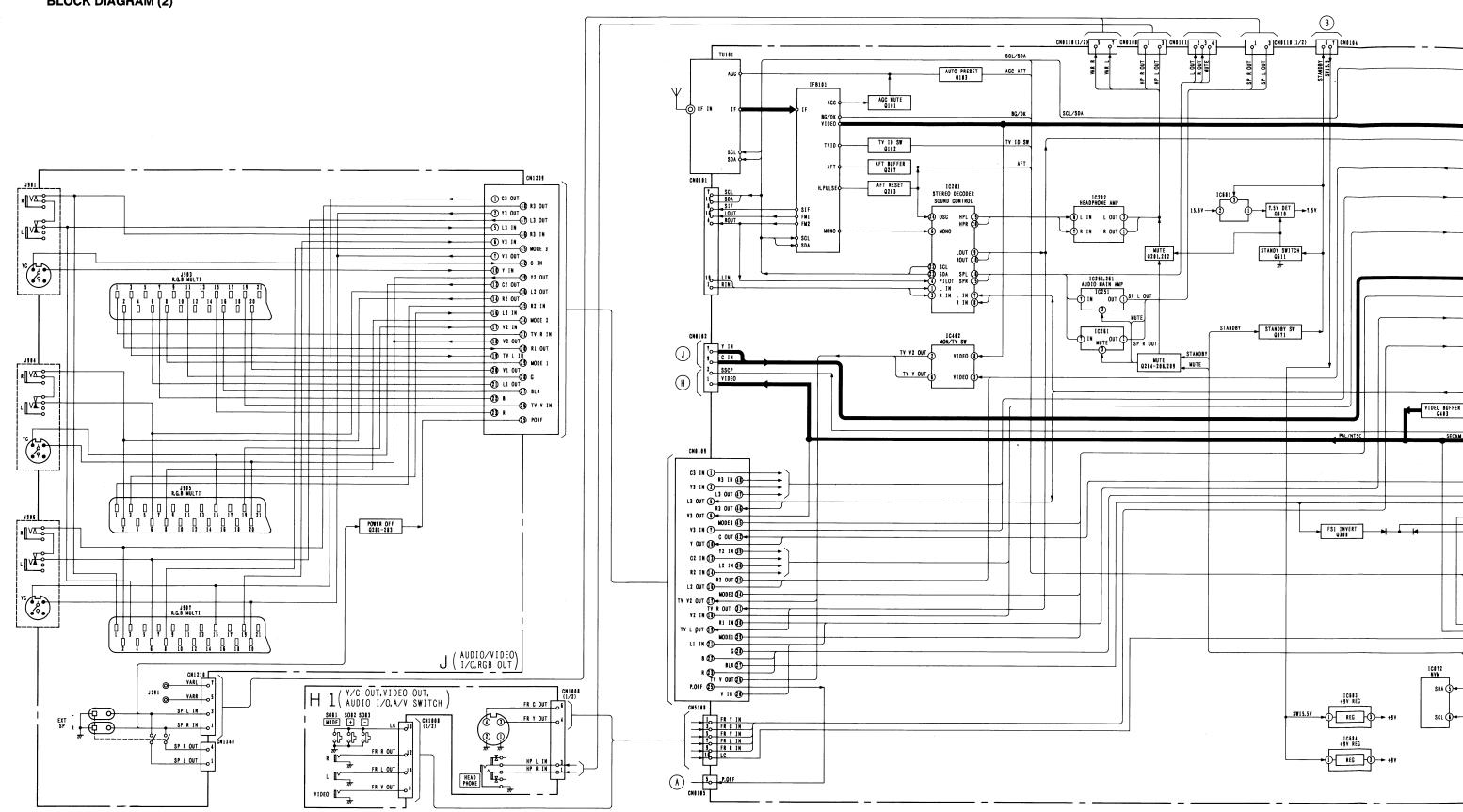
5-1. BLOCK DIAGRAM (1)

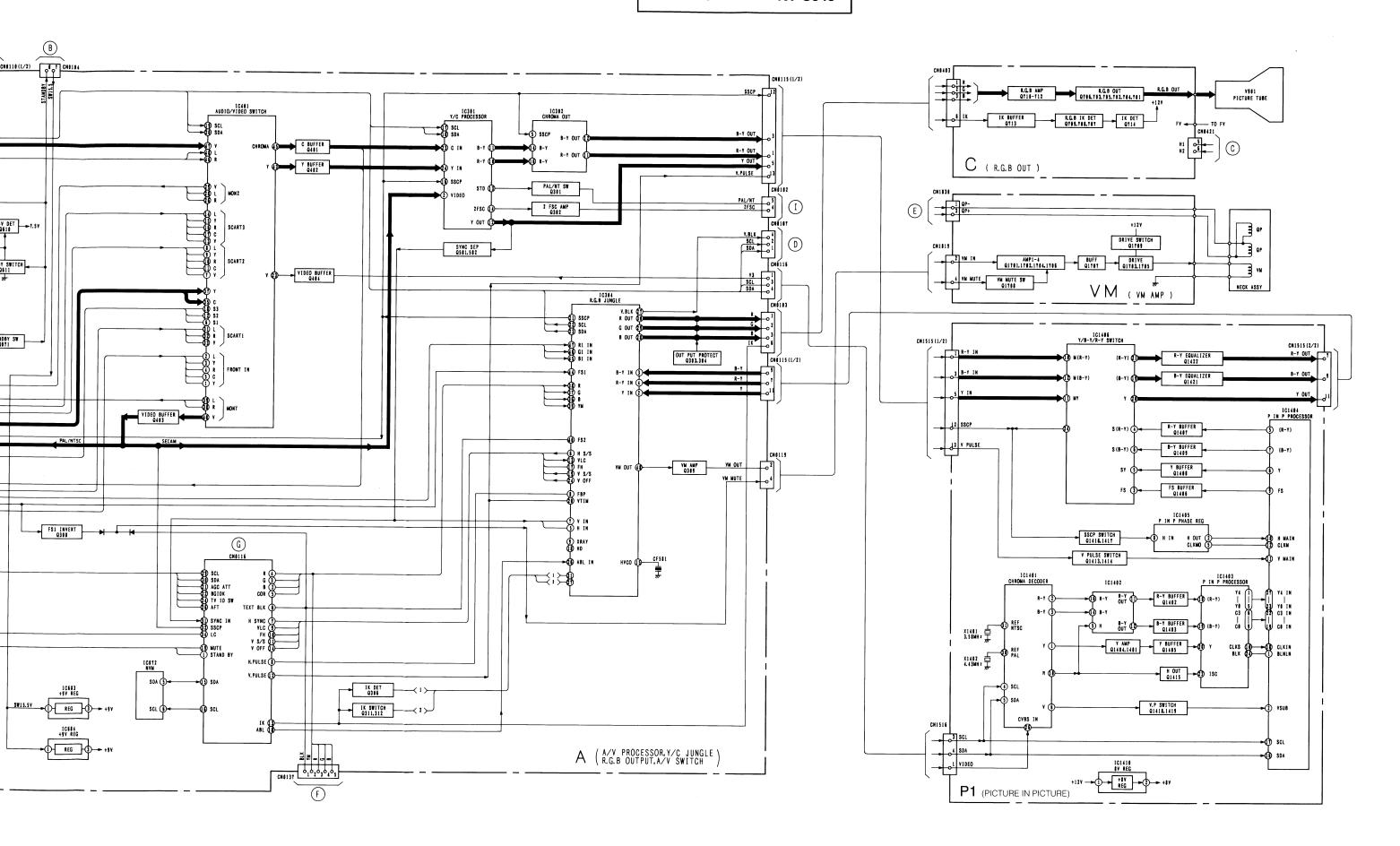


KV-S343

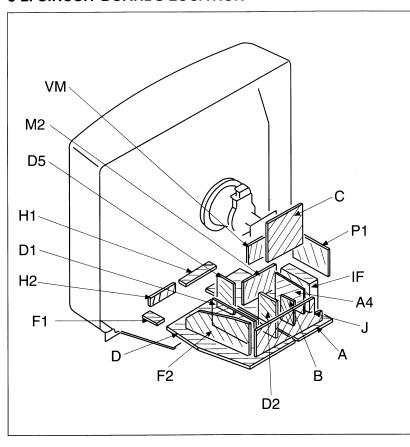








5-2. CIRCUIT BOARDS LOCATION



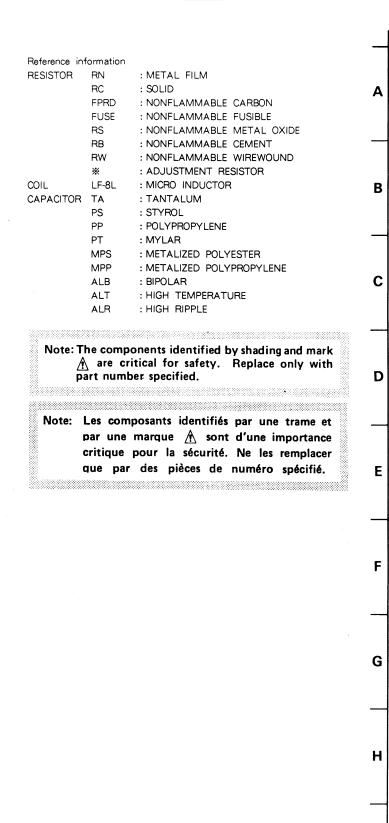
5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

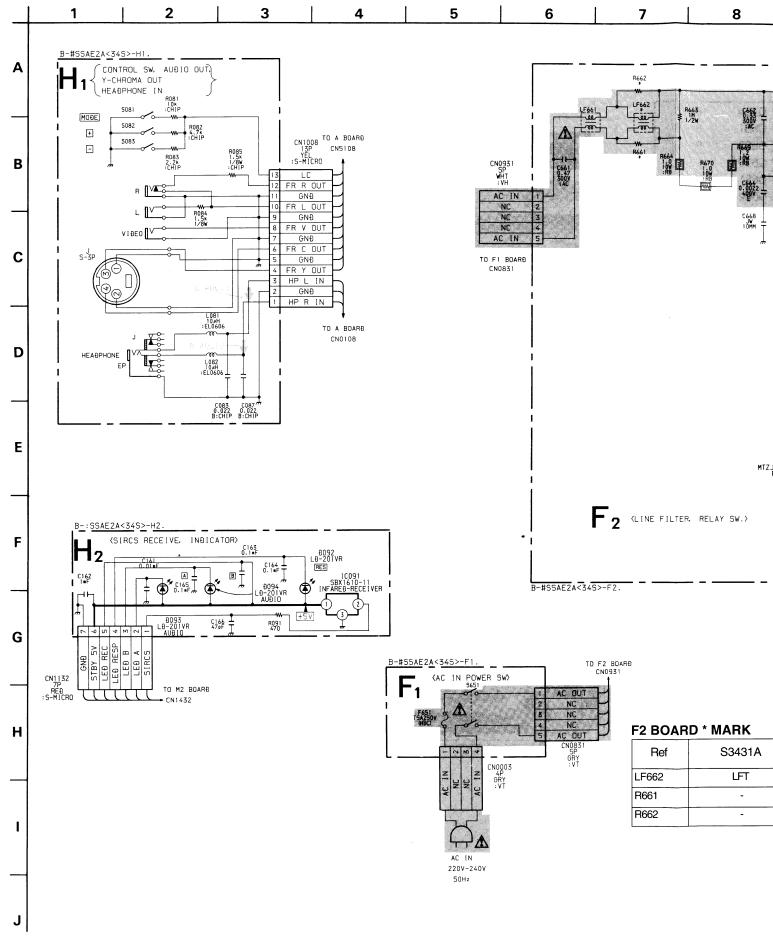
Note:

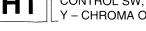
- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

Pitch: 5mm Rating electrical power: 1/4W

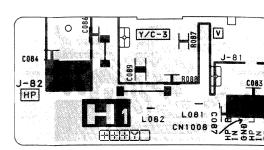
- Chip resistor is in 1/10W.
- All resistors are in ohms. $k \; \Omega = 1000 \; \Omega, \; M \; \Omega = 1000 K \; \Omega$
- monflammable resistor.
- · tusible resistor.
- Δ : internal component.
- panel designation or adjustment for repair.
- All variable and adjustable resistors have charactristic curve B, unless otherwise noted.
- · All voltages are in V.
- Readings are taken with a $10M\,\Omega$ digital multimeter.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- B + bus.
- = : B bus.
- signal path.(RF)
- ___ : earth ground
- · : earth chassis



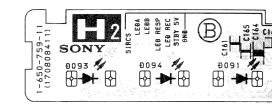




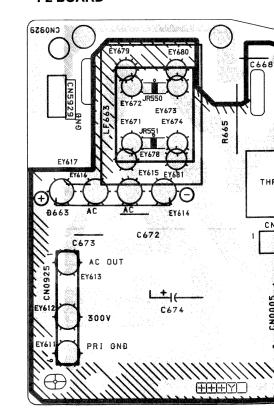


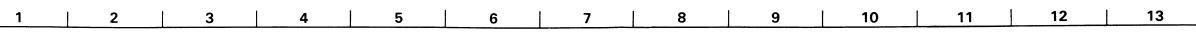


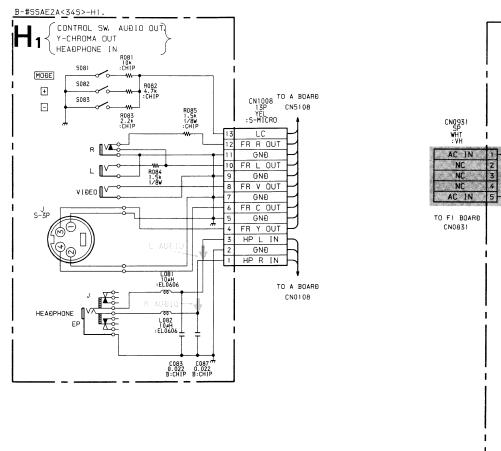
- H2 BOARD -



- F2 BOARD -





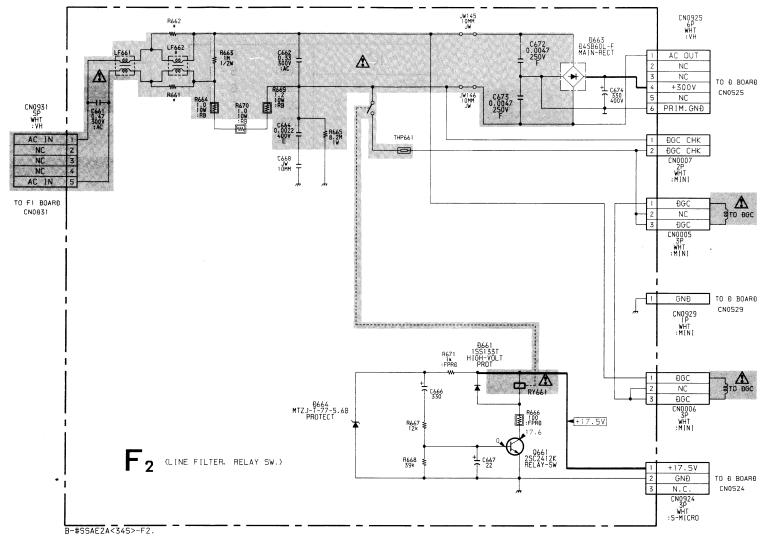


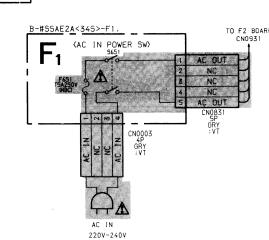
B-: SSAE2A<34S>-H2.

CN1432

(SIRCS RECEIVE, INDICATOR)

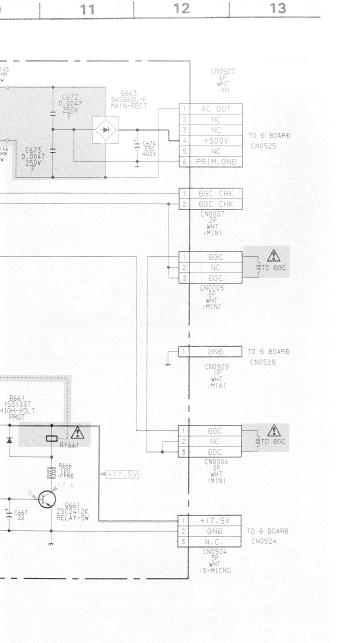
C166 I





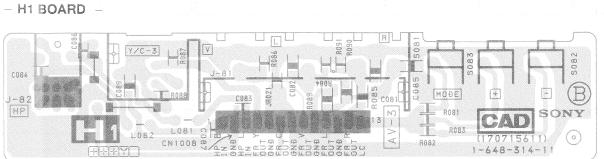
F2 BOARD * MARK

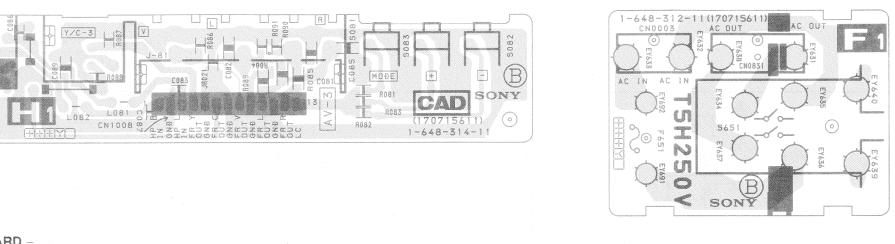
Ref	S3431A	S3431B	S3431D	S3433E	S3431K	S3432U
LF662	LFT	-	LFT	-	-	-
R661	-	JW 10MM	-	JW 10MM	JW 10MM	JW 10MM
R662	-	JW 10MM	-	JW 10MM	JW 10MM	JW 10MM



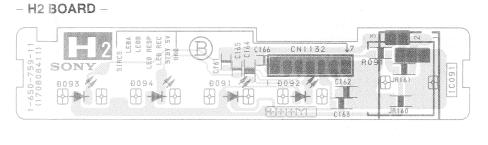
S3431D	S3433E	S3431K	S3432U
LFT	-	-	-
-	JW 10MM	JW 10MM	JW 10MM
-	JW 10MM	JW 10MM	JW 10MM

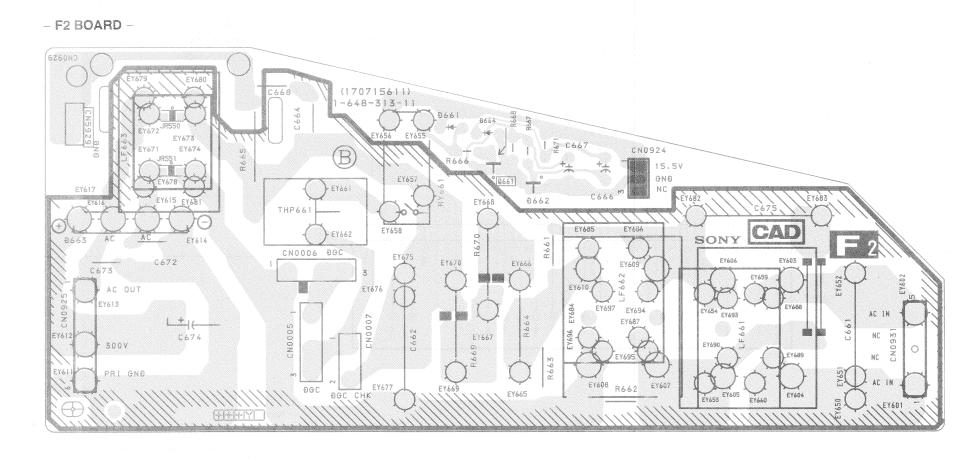






- F1 BOARD -



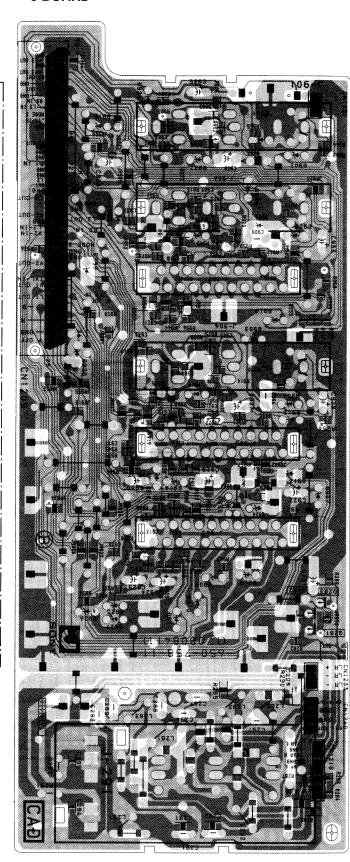


11



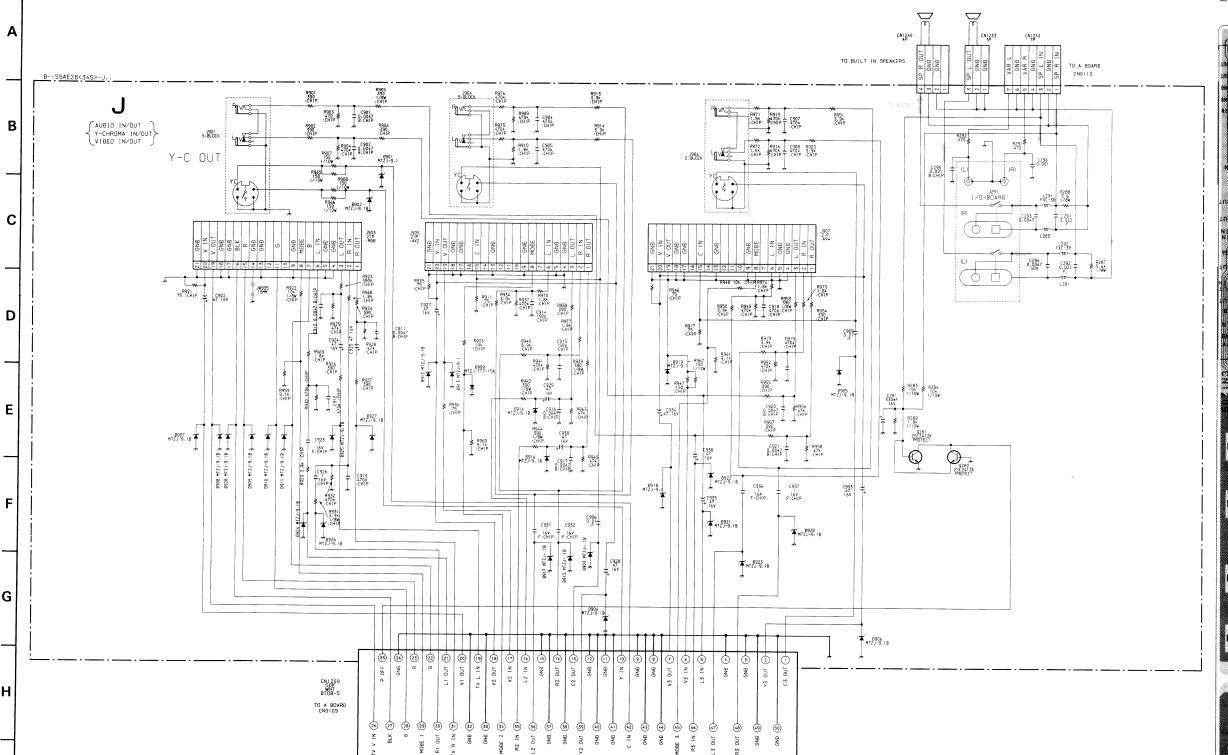








- : Pattern from the side which enables seeing.
- Pattern of the rear side.



5

6

7

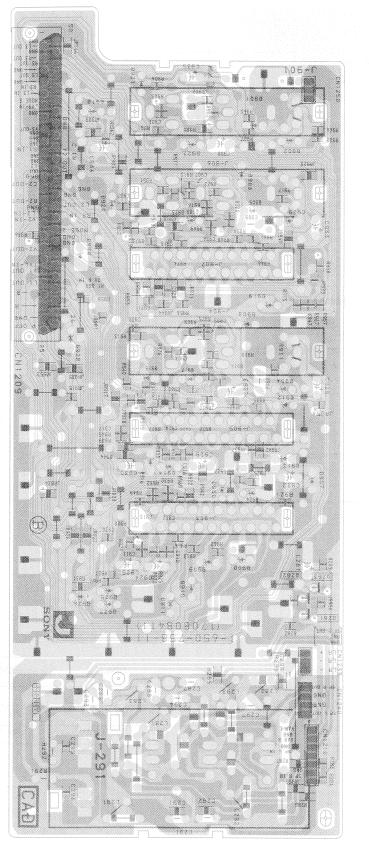
9

10



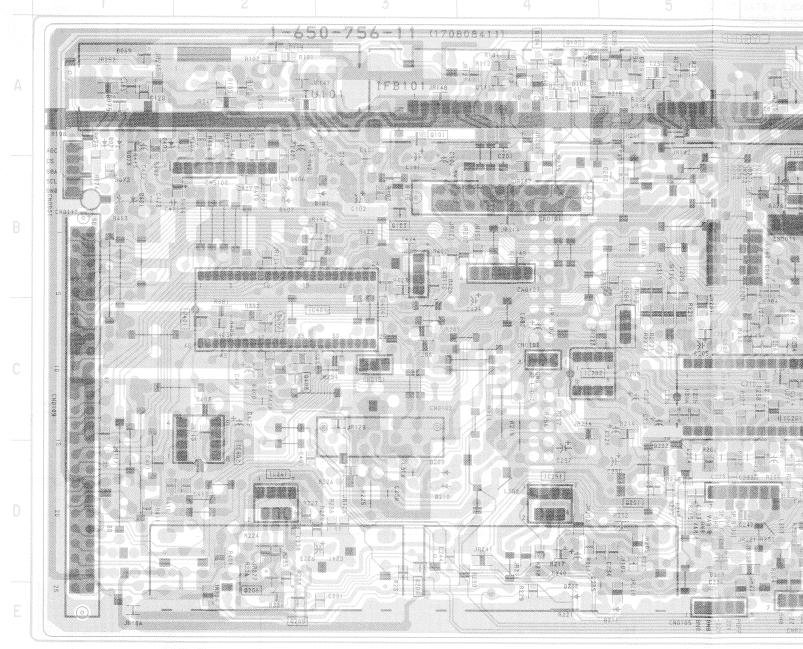
A TUNER AUDIO CONTROL, AUDIO AMP AV SW, R.G.B. JUNGLE, Y/C PROCESSOR

- J BOARD -



IC	Q404 0501	B – 3
IC072 B - 6	Q581	B - 9
IC201 C - 6	Q582 Q610	B - 9 E - 9
IC202 C - 4	Q681	E – 9 E – 7
IC251 D - 4	Q682	D-9
IC261 D - 2	0002	D - 9
IC301 Å - 8		
IC302 A - 10	PM 1 4%	200b, parki
IC304 C - 10	DIO	DE
IC401 C-2	D068	B - 7
IC402 D-2	D069	A - 1
IC681 D - 9	D071	A - 1
IC684 C - 4	D073	A - 1
10685 E - 8	D075	A - 1
	D077	B-7
TDANGICTOR	D078	B-7
TRANSISTOR	D079	B - 7
Q071 D-8	D101	B-2
Q101 A-3	D206	D - 7
Q102 A-7	D207	E-7
Q103 A-3	D208	D - 7
Q201 D-5	D209	D - 3
Q202 D-5	D210	D - 3
Q203 A-4	D211	E - 5
Q204 D-3	D212	E-4
Q205 E-2	D213	D - 5
Q206 D-2	D214	C - 6
Q207 B-6	D301	B – 9 ···
Q209 E-7	D302	A - 9
Q210 A-6	D304	B - 10
Q301 A - 7	D305	C - 9
Q302 B - 7	D306	D - 10
Q303 D - 10	D307	D - 10
Q304 D - 10	D308	D - 10
Q305 A - 8	D311	C - 9
Q306 D-10	D312	C - 8
Q308	D313	C-7
Q311 C-8	D381	C-8
Q312 C-8	D401	B – 1
Q313 B - 8	D403	A-1
Q314 C-7	D405	
2014 0-1	D406	B-2
Q315 D-7	D407	B - 2
	D571 D681	B - 2 B - 9 E - 8

- A BOARD -



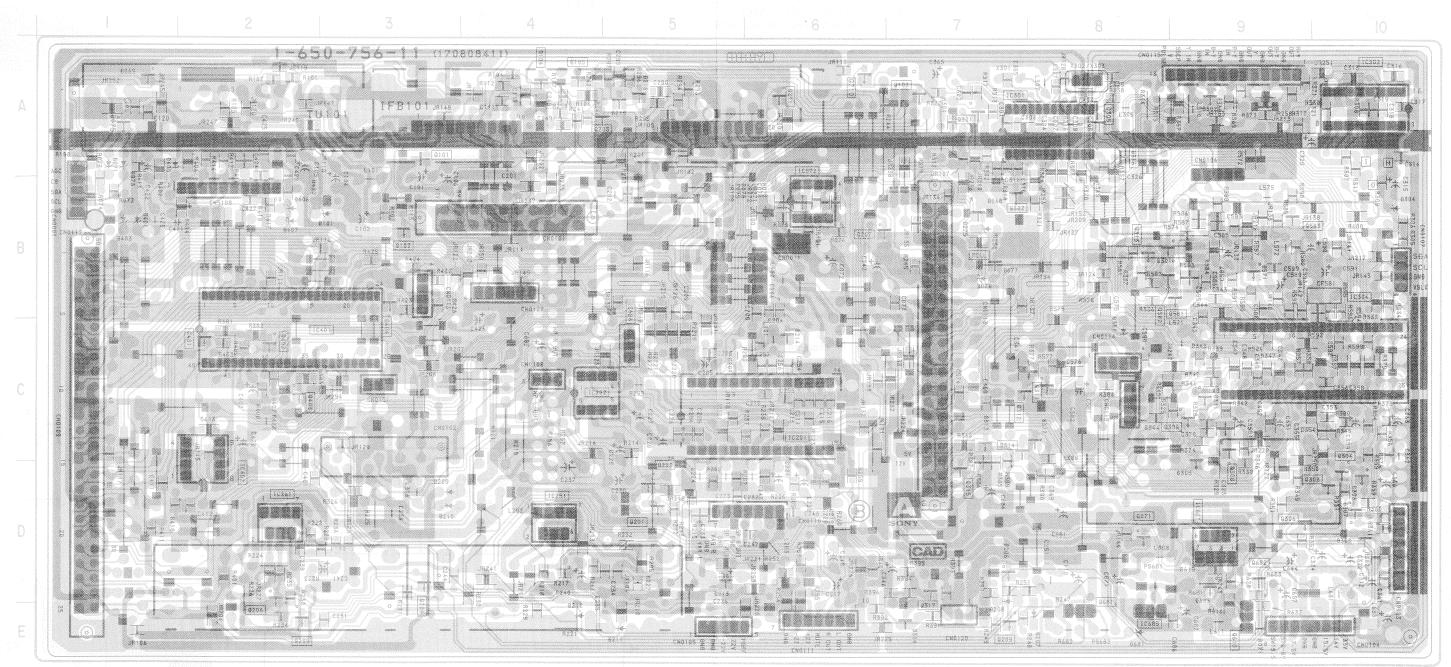
- A BOARD -

Q404	В -	- 3	-
Q581	В-	- 9	
Q582	В-	- 9	
Q610	E -	- 9	
Q681	Е-	- 7	
2682	D-	- 9	

DIODE

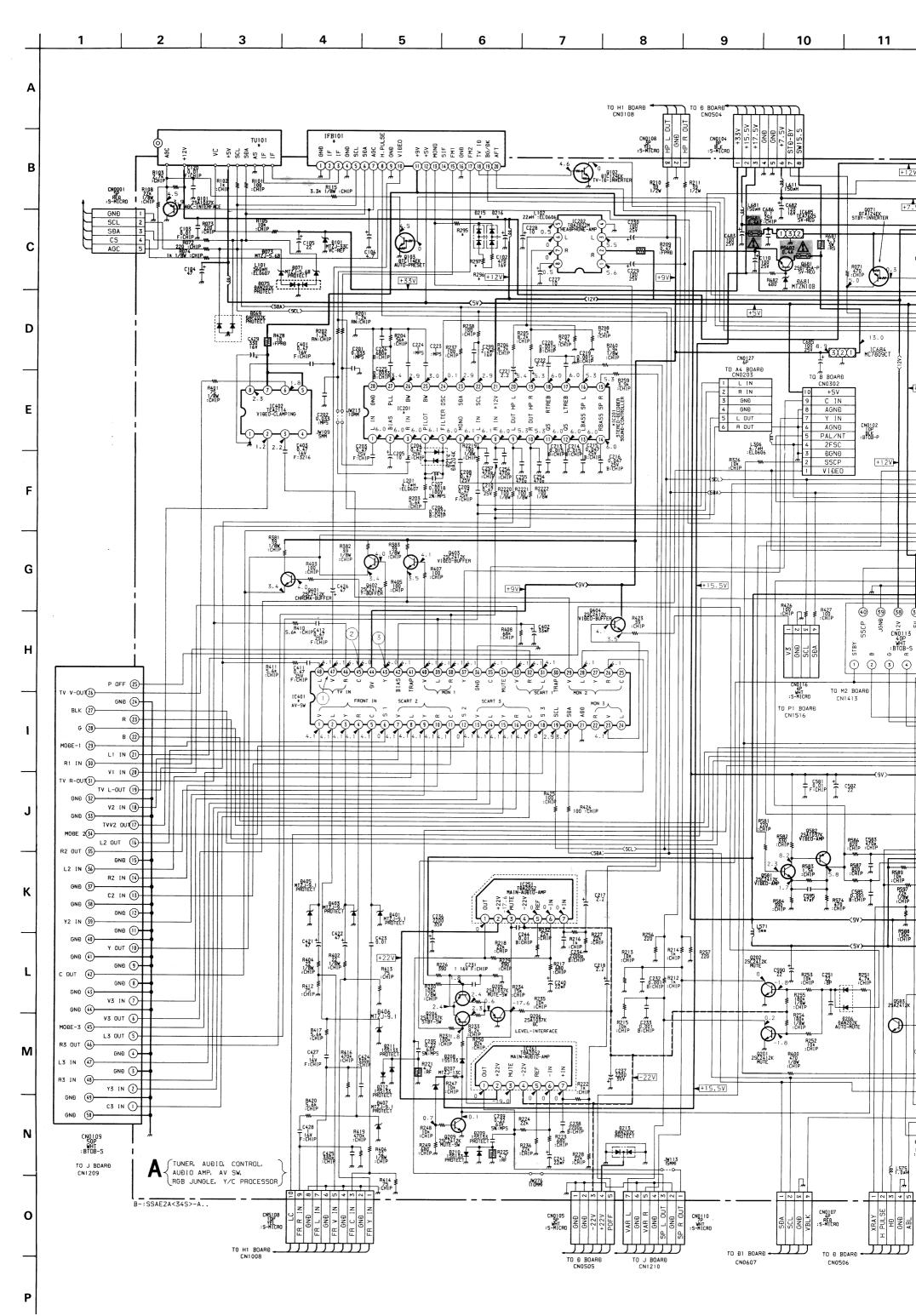
A-1A - 1B-7B-7B-7B-2 D-7E-7D - 7D-3E - 5 B - 9 A - 9C - 9 D - 10 D - 10C - 9C - 8B - 1 A-1

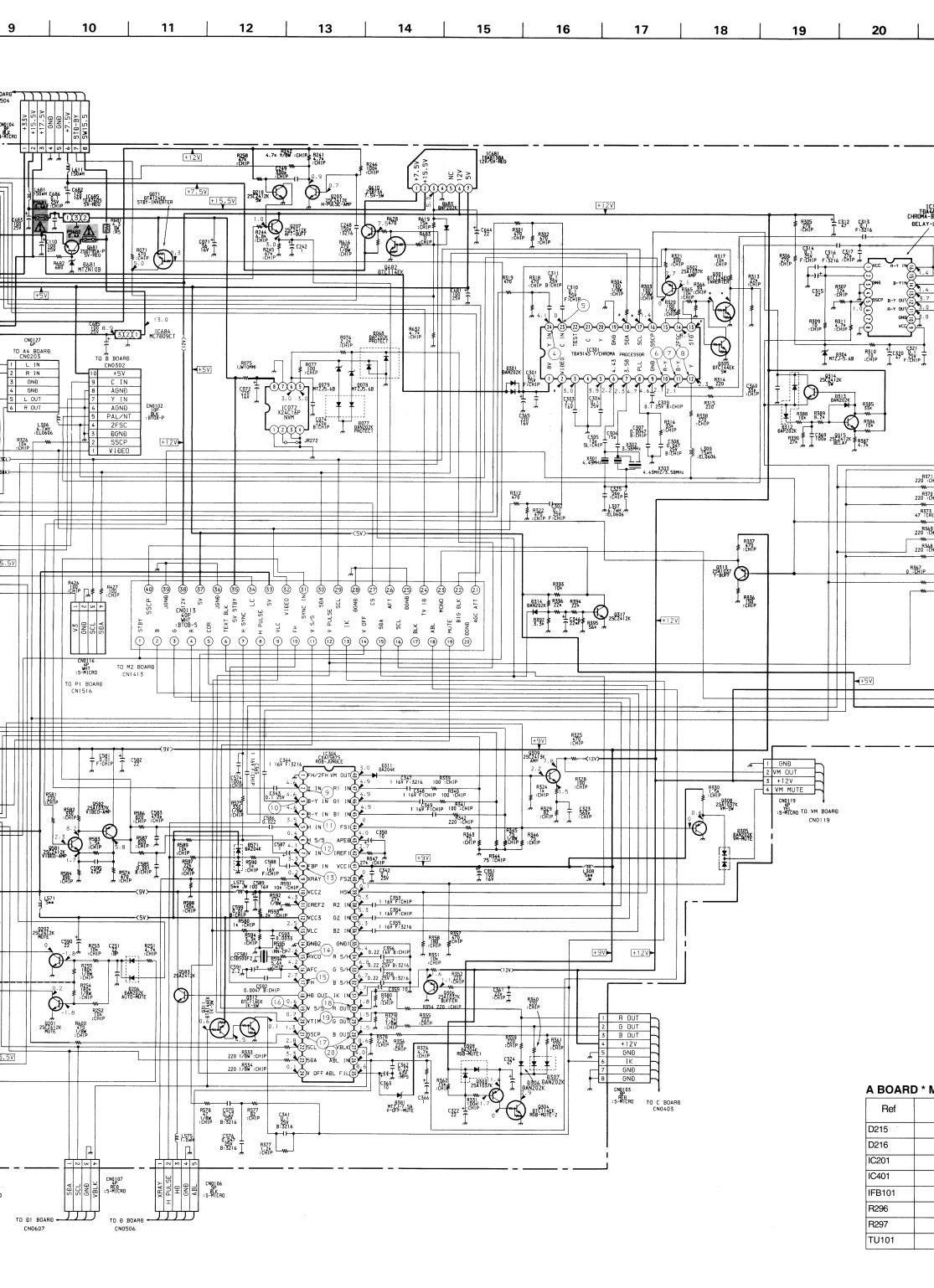
B-2

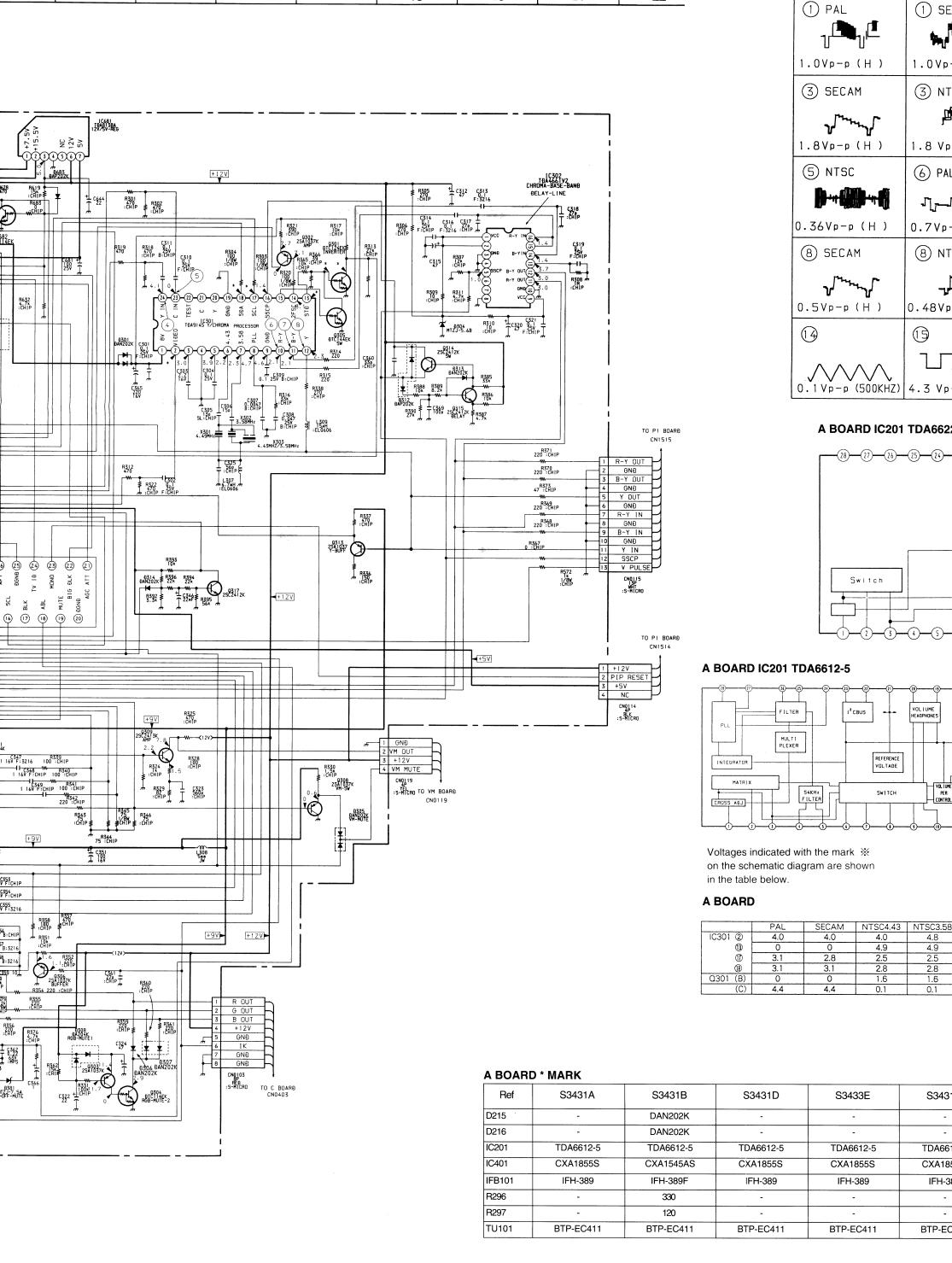


Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.





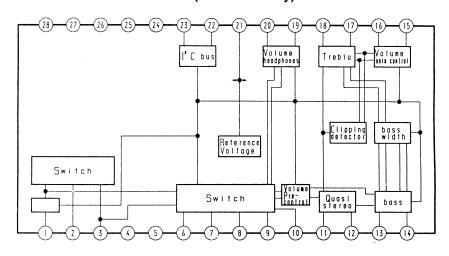


WAVEFORMS A BOARD

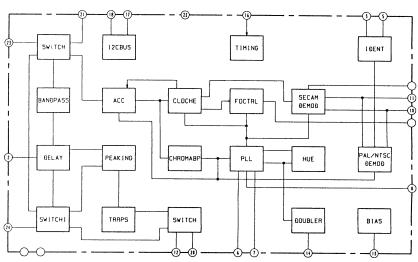
WAVEFORMS A BOARD

1 PAL	1) SECAM	1 NTSC	② PAL	② SECAM	② NTSC	3 PAL
The last of the la	San In the State of S	-Jan - Jan -			 	مالىمىمىلا
1.0Vp-p (H)	1.0Vp-p (H)	1.0Vp-p (H)	1.4Vp-p (H)	0.7 Vp-p (H)	0.75Vp-p (H)	1.7 Vp-p (H)
3 SECAM	③ NTSC	4 PAL	4 SECAM	4 NTSC	(5)	5 SECAM
John John Jan	p to the same of t	John January L	Derrond -	Net	10 -11 (1) 11 -11 (1)	
1.8Vp-p (H)	1.8 Vp-p (H)	1.0Vp-p (H)	1.1Vp-p (H)	1.3 Vp-p (H)	0.7 Vp-p (H)	0.4Vp-p (H)
5 NTSC	6 PAL, NTSC	6 SECAM	7 PAL	7 SECAM	7 NTSC	8 PAL
10-11-11-11-11	7[1]1]	1[[][]	<u> - rac{1717-1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717 - 1717</u>	<u> </u>		J. J
0.36Vp-p (H)	0.7Vp-p(H)	1.1Vp-p (H)	1.0 Vp-p (H)	1.6Vp-p (H)	0.85Vp-p (H)	0.4Vp-p (H)
8 SECAM	8 NTSC	9	10	1	12	13
John John John John John John John John		J. J	<u></u>	1[-1]		<i>ո</i> ւ]Խու]Խու]Խո
0.5Vp-p(H)	0.48Vp-p (H)	0.4 Vp-p (H)	1.9Vp-p(H)	1.4 Vp-p (H)	4.8 Vp-p (H)	6.4Vp-p (H)
13	(1)	(1)	(7)	(18)	19	20
				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ու]խու]խու]խո
0.1 Vp-p (500KHZ)	4.3 Vp-p (H)	4.3 Vp-p (V)	8.0Vp-p (H)	2.8 Vp-p (H)	2.4Vp-p(H)	2.3Vp-p(H)

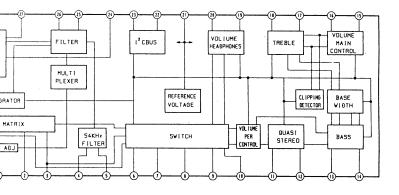
A BOARD IC201 TDA6622-5 (UK Model only)



A BOARD IC301 TDA9145/N2B



ARD IC201 TDA6612-5

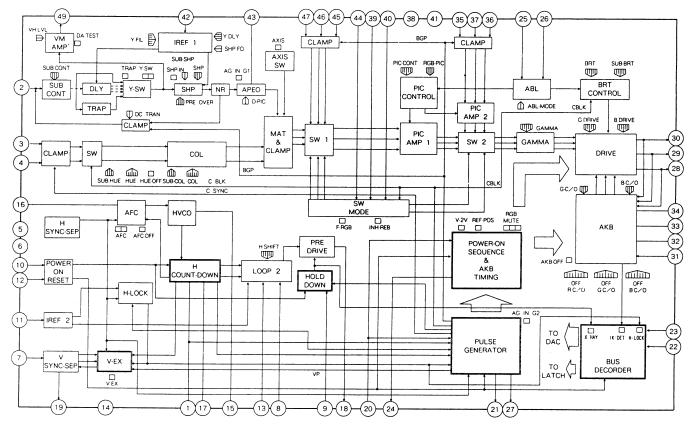


ges indicated with the mark 💥 e schematic diagram are shown table below.

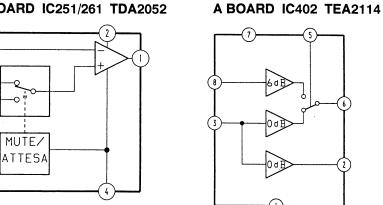
ARD

	PAL	SECAM	NTSC4.43	NTSC3.58
2	4.0	4.0	4.0	4.8
13	0	0	4.9	4.9
Ð	3.1	2.8	2.5	2.5
18	3.1	3.1	2.8	2.8
(B)	0	0	1.6	1.6
(C)	44	11	0.1	0.1

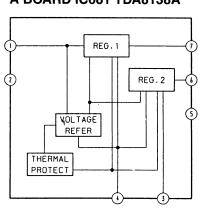
A BOARD IC304 CXA1587S



A BOARD IC251/261 TDA2052

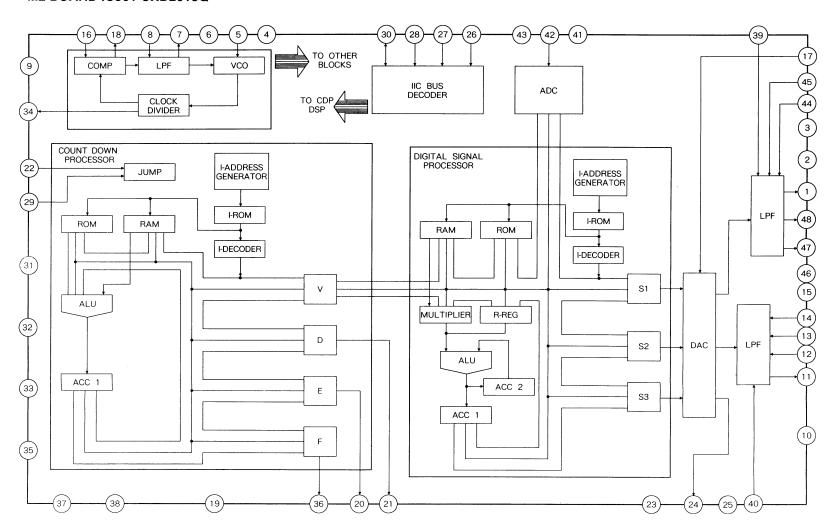


A BOARD IC681 TDA8138A



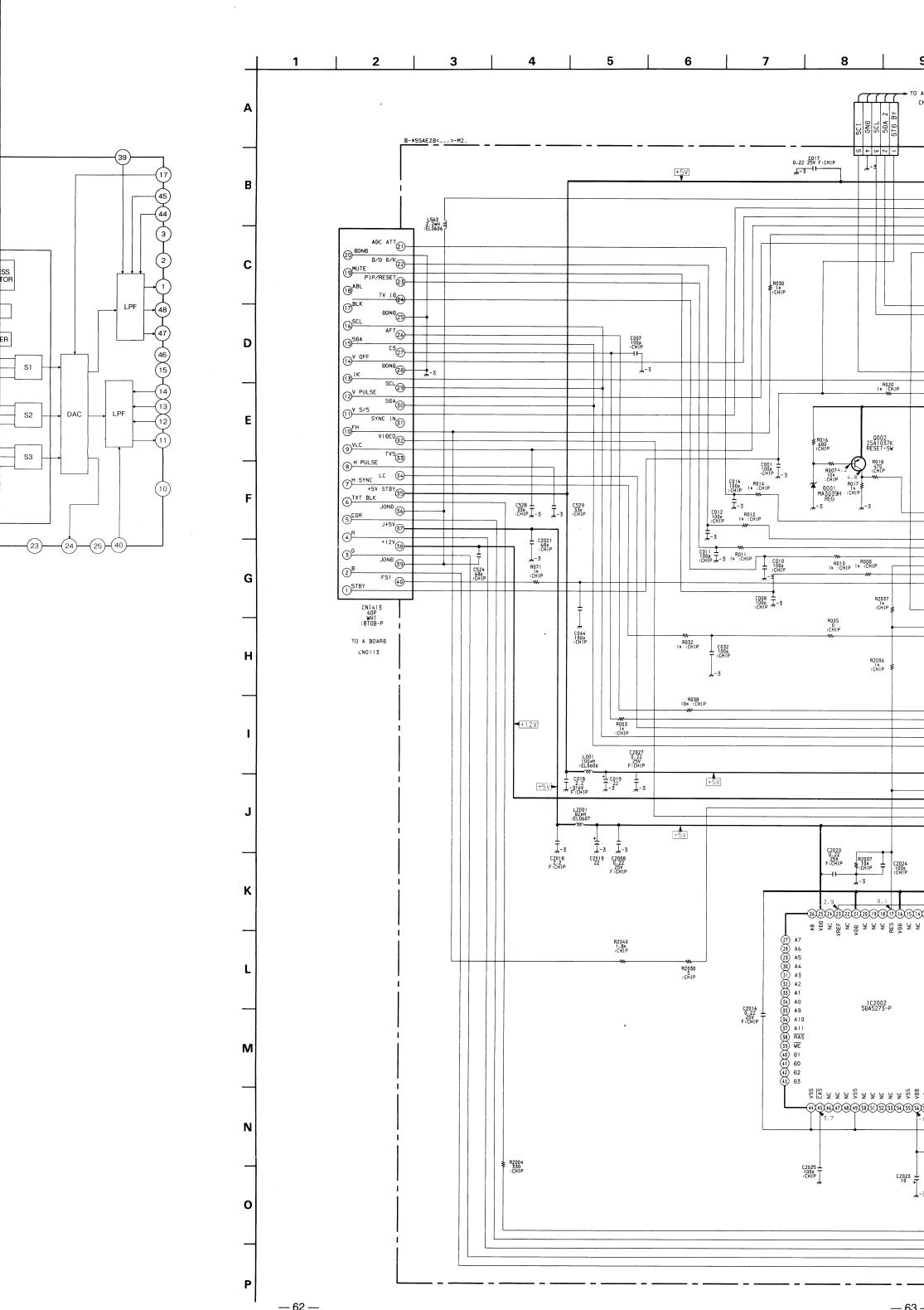
S3431D	S3433E	S3431K	S3432U
-	-	-	-
-	-	-	-
TDA6612-5	TDA6612-5	TDA6612-5	TDA6622-5
CXA1855S	CXA1855S	CXA1855S	CXA1855S
IFH-389	IFH-389	IFH-389	IFH-395
-	-	-	-
-	-	-	-
BTP-EC411	BTP-EC411	BTP-EC411	U944C
	·		

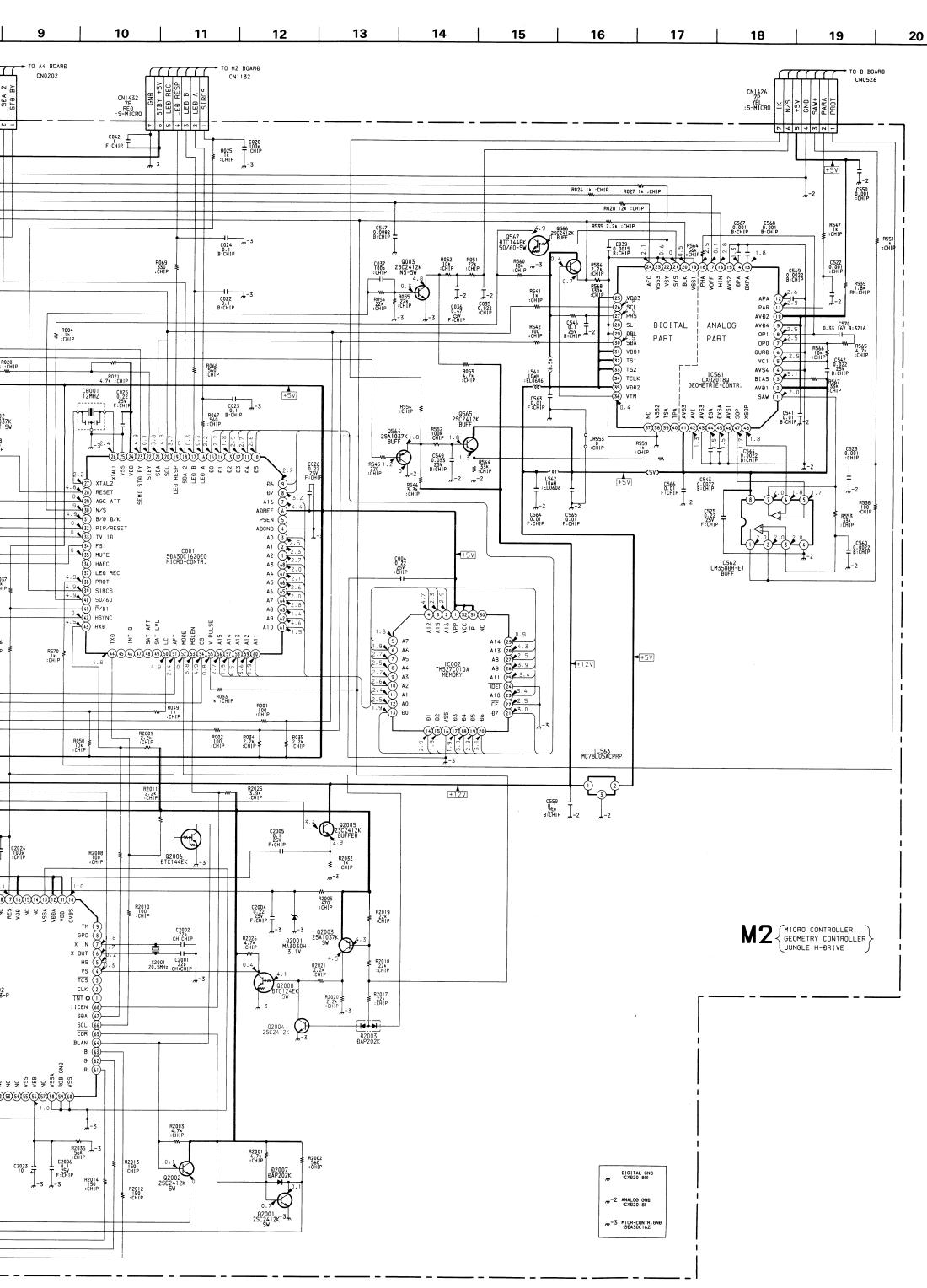
M2 BOARD IC561 CXD2018Q



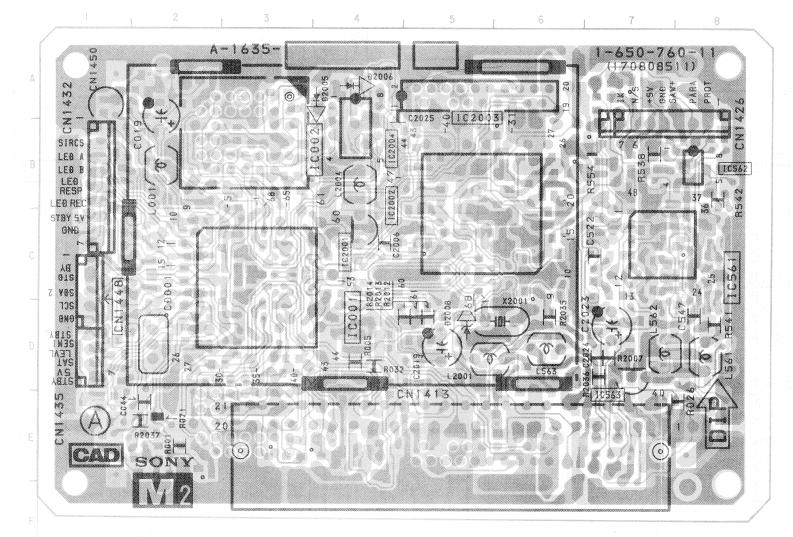
- 60 ----

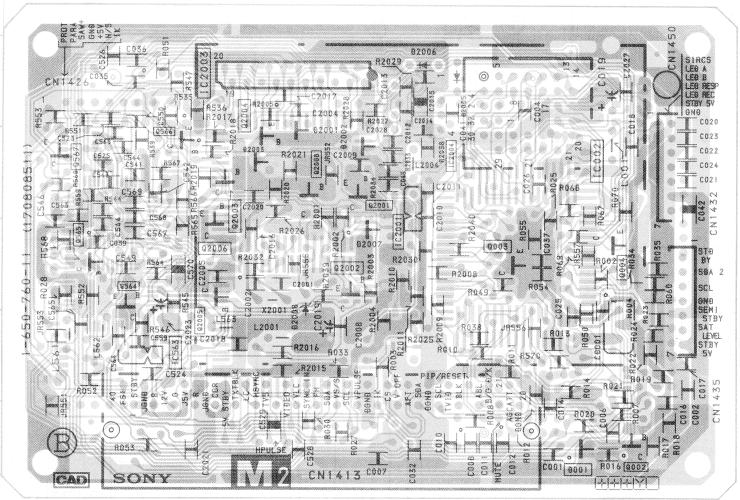
— 61 **—**





- M2 BOARD -





Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.

WAVEFORMS D BOARD

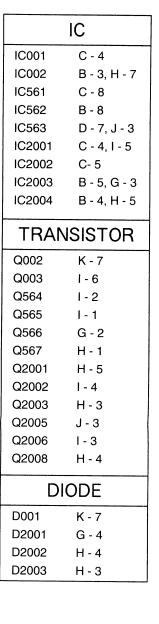
	2	3
		, make frequence
240Vp-p (H)	180 Vp-p (V)	1.2Vp-p (V)
4	5	
67.0Vp-p(V)	4.2 Vp-p (H)	170 Vp-p (H)
7	8	9
		111
950 Vp-p (H)	9.0 Vp-p (H ₂)	9.5 Vp-p (H)
10		12
	مارارار	
19.0Vp-p(H)	17.5Vp-p(H)	6.4 Vp-p (H)

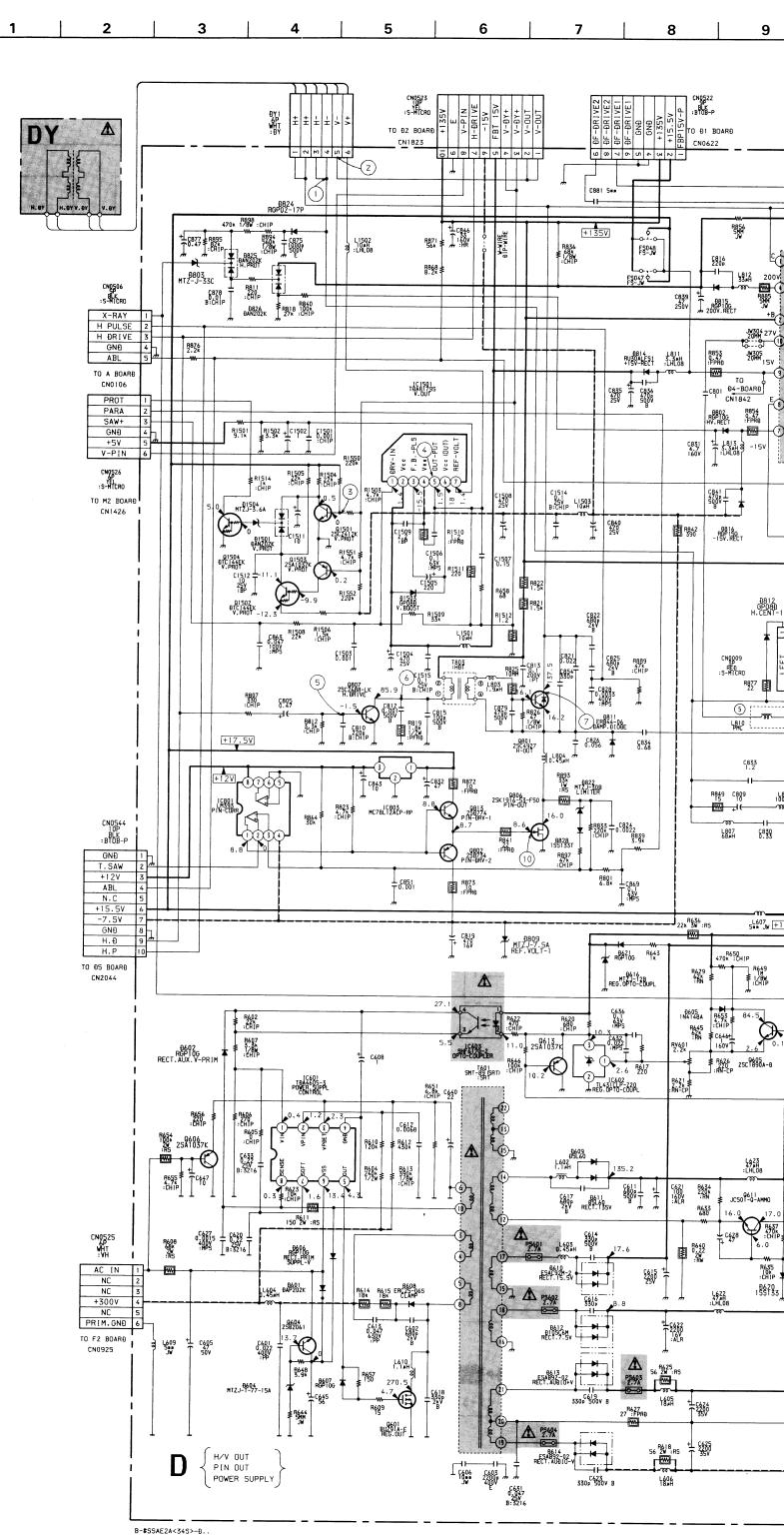
	IC
IC001	C - 4
IC002	B - 3, H - 7
IC561	C - 8
IC562	B - 8
IC563	D - 7, J - 3
IC2001	C - 4, I - 5
IC2002	C-5
IC2003	B - 5, G - 3
IC2004	B - 4, H - 5
	· · · · · · · · · · · · · · · · · · ·

В

IRA	ANSISTOR
Q002	K - 7
Q003	1-6
Q564	1 - 2
Q565	I - 1
Q566	G - 2
Q567	H - 1
Q2001	H - 5
Q2002	1 - 4
Q2003	H - 3
Q2005	J - 3
Q2006	1-3
Q2008	H - 4

DIODE			
D001	K - 7		
D2001	G - 4		
D2002	H - 4		
D2003	H - 3		





Н

Ν

C

Α

В

D

F

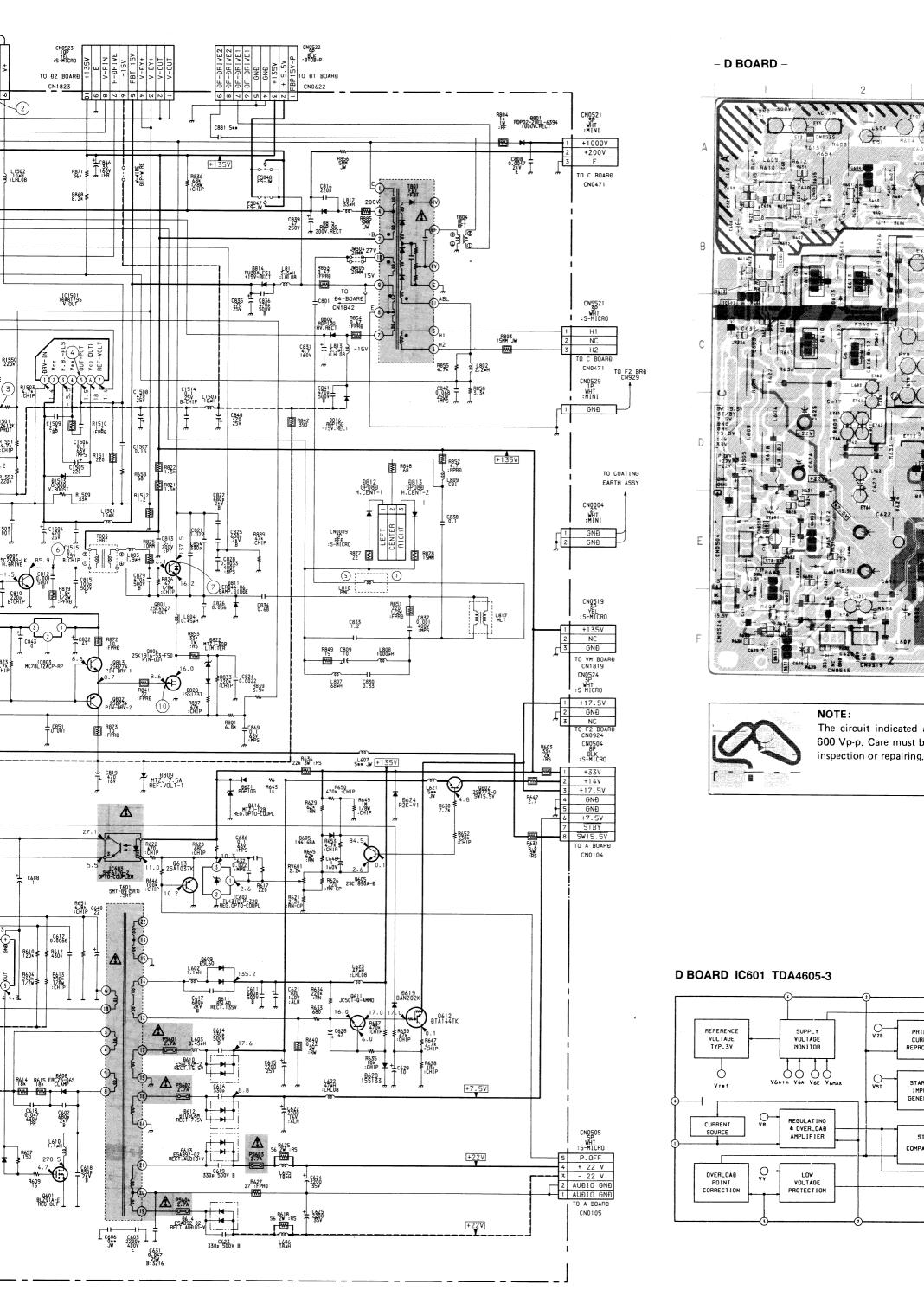
G

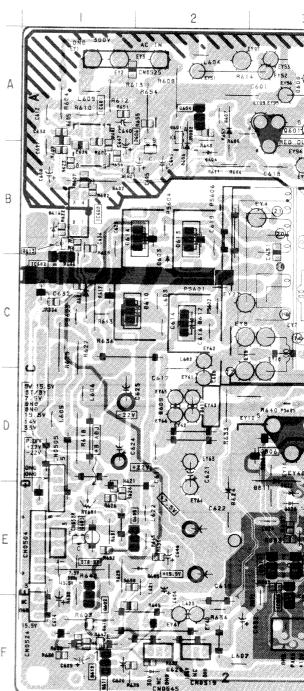
K

0

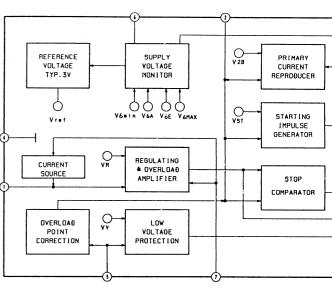
M

Ε



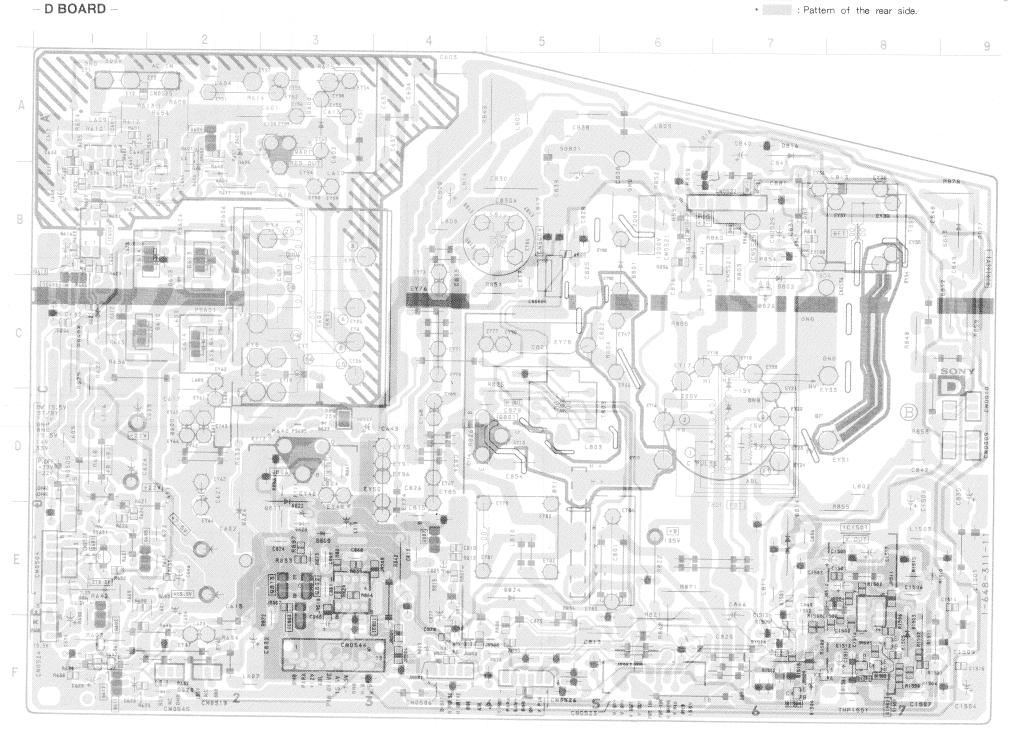


NOTE: The circuit indicated as left 600 Vp-p. Care must be paid t



Note:

- Pattern from the side which enables seeing.
- Pattern of the rear side.

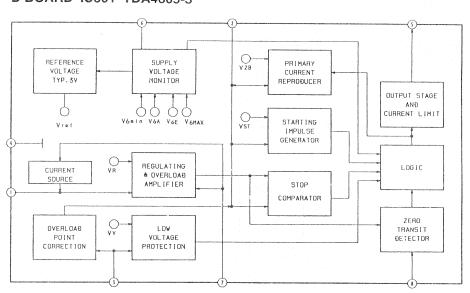




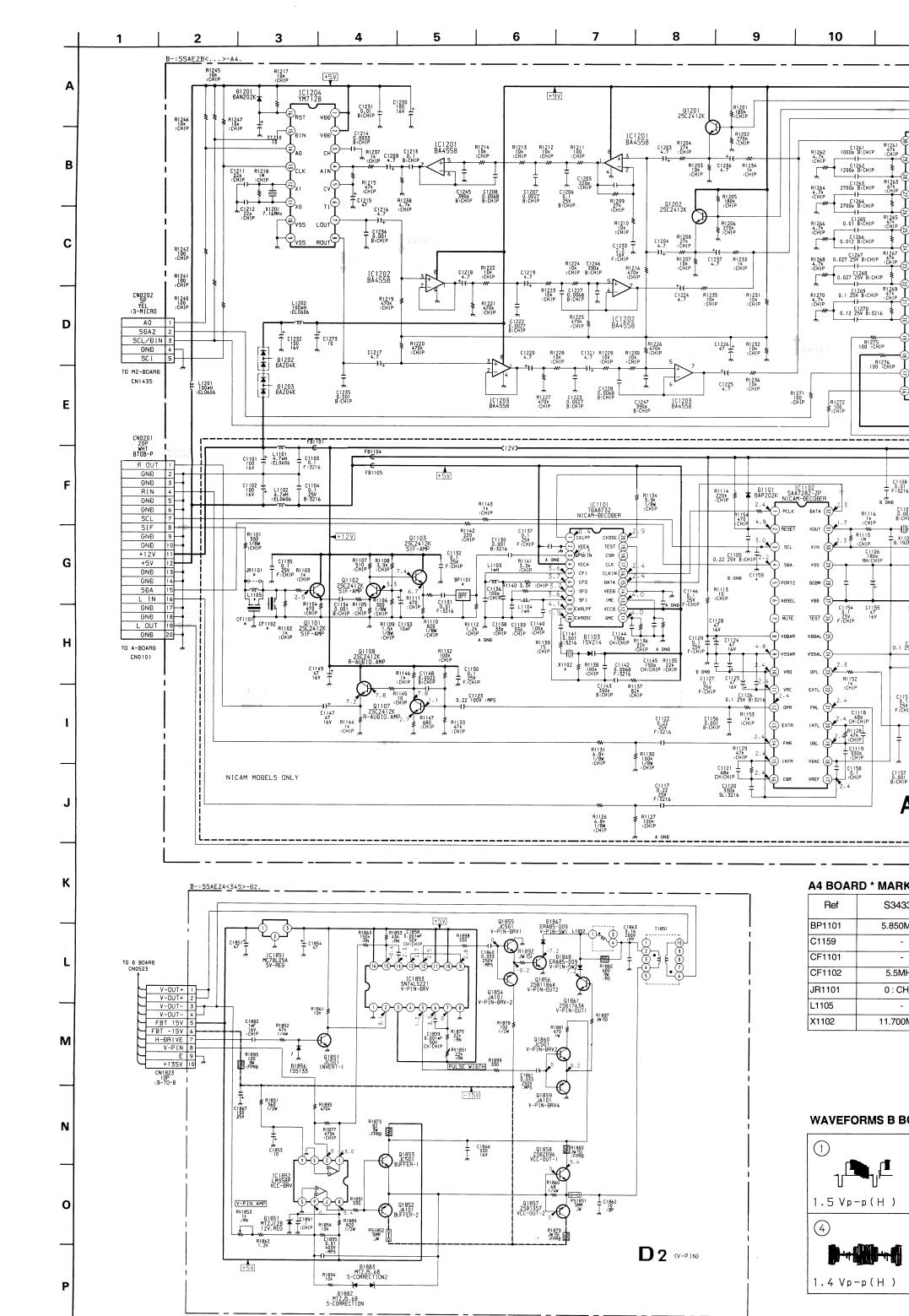
NOTE:

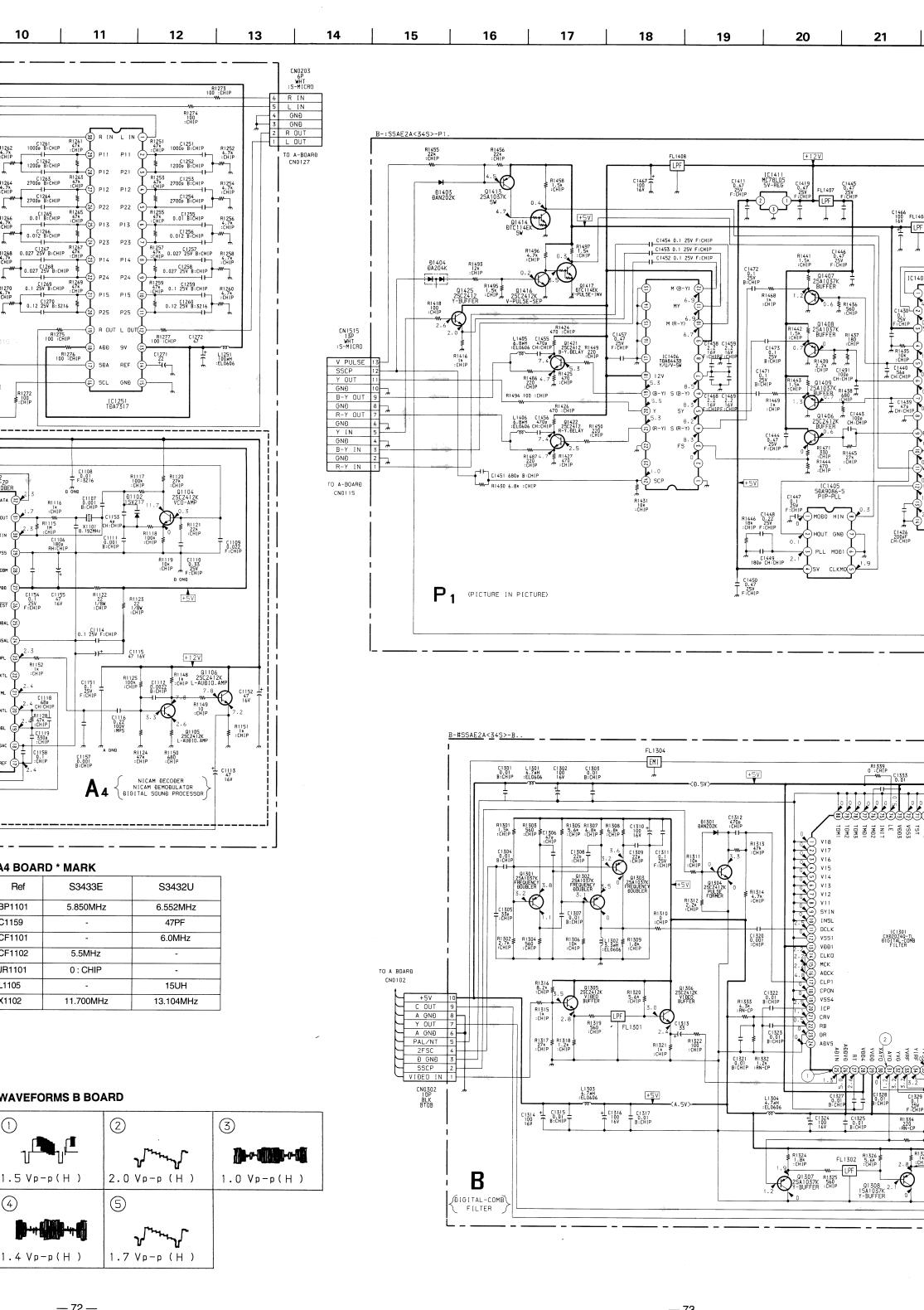
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

D BOARD IC601 TDA4605-3

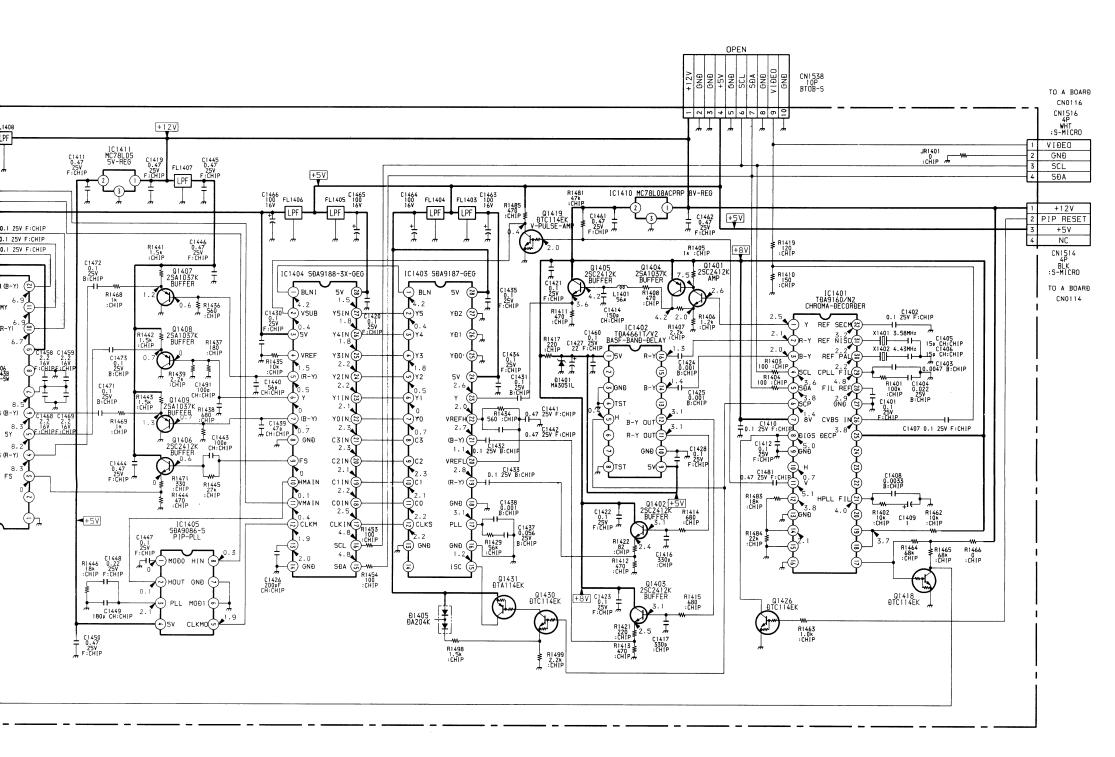


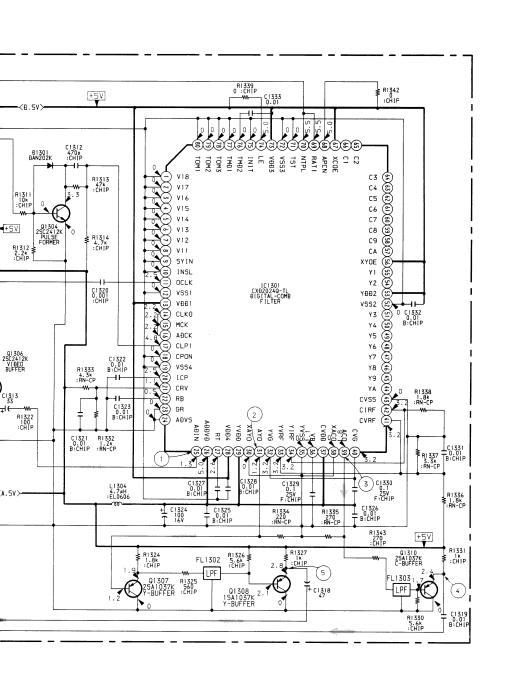
IC IC601	D607 A - 2 D608 A - 3 D610 C - 2 D611 D - 2 D612 C - 2 D613 B - 2 D614 B - 2 D616 B - 1 D619 F - 1 D620 F - 2 D621 C - 1 D624 F - 2
Q602 F-1 Q603 E-1 Q604 A-2 Q605 E-2 Q606 B-2 Q611 F-1 Q612 F-1 Q613 B-1 Q801 D-5 Q802 E-3 Q806 D-3 Q806 D-3 Q807 E-4 Q813 E-3 Q1501 F-8 Q1502 F-8 Q1503 F-8 Q1504 F-7	D801 B - 6 D802 B - 7 D803 F - 4 D809 E - 3 D811 D - 3 D812 C - 9 D813 B - 9 D814 E - 7 D815 B - 6 D816 A - 7 D822 E - 3 D824 E - 5 D825 F - 4 D826 C - 7 D828 E - 3 D1501 F - 8 D1503 F - 8 D1504 F - 7
DIODE D601 A - 2	\/ADIADIE
D602 B - 1 D604 B - 2	VARIABLE RESISTOR
D605 E - 2 D606 B - 2	RV601 E - 1

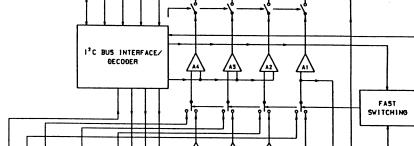


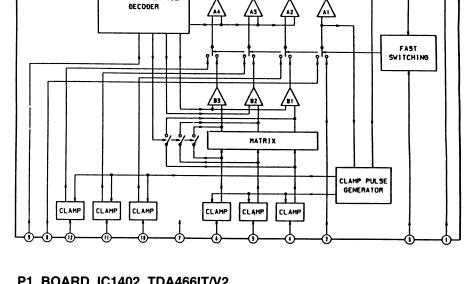






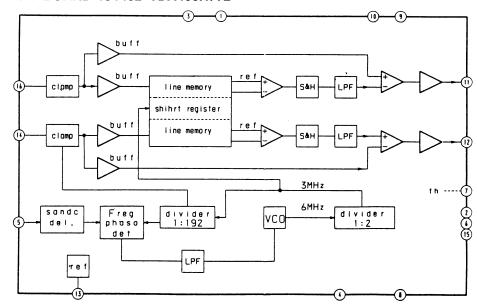






P1 BOARD IC1402 TDA466IT/V2

P1 BOARD IC1406 TDA8443B

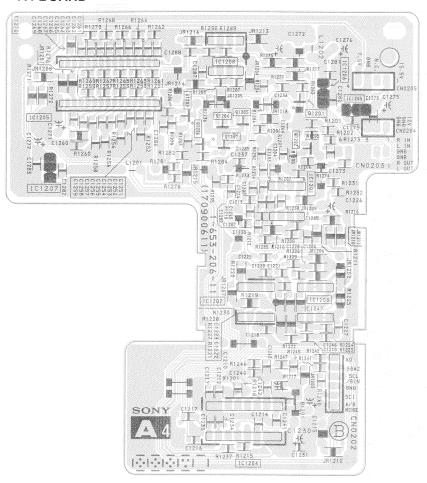


KV-S343 KV-S343

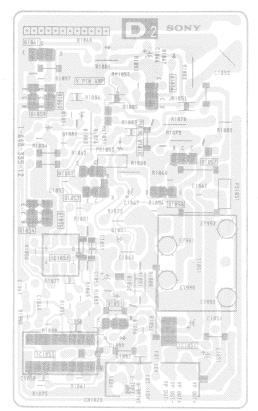


D2 V-PIN PICTURE IN PICTURE B FILTER

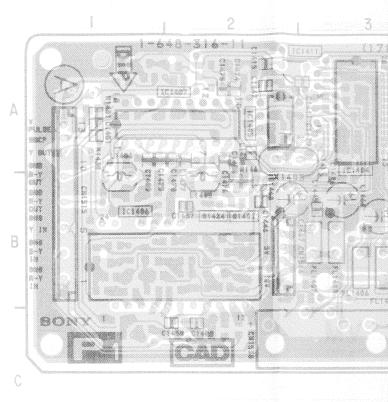
- A4 BOARD -

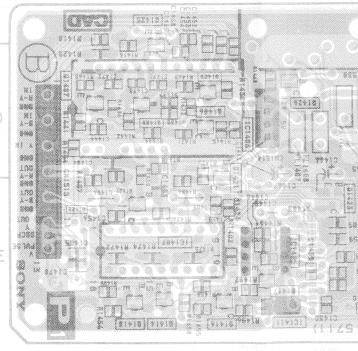


- D2 BOARD -



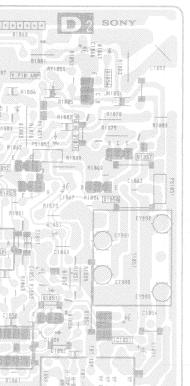




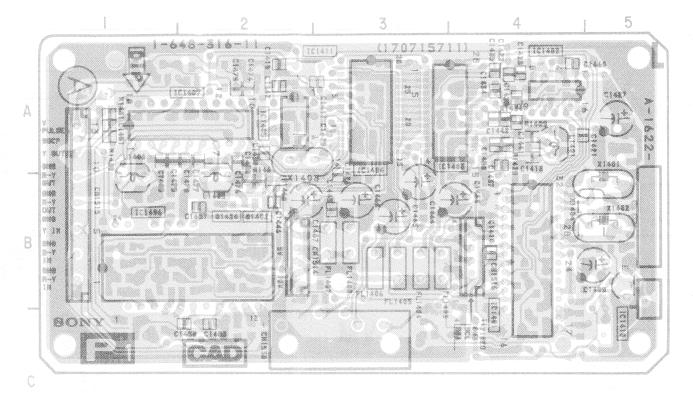


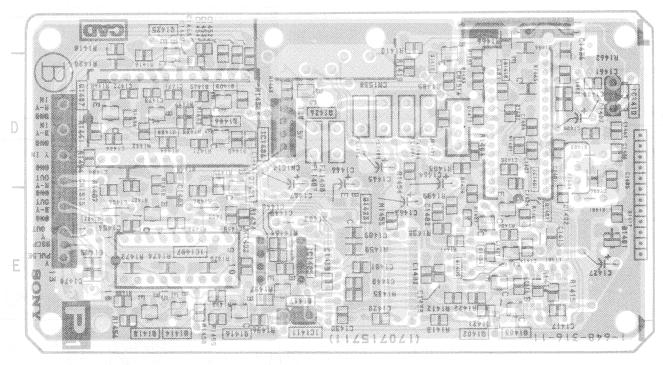
/-S343

DARD -



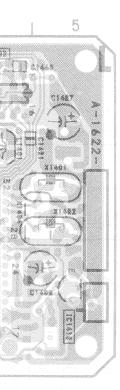
- P1 BOARD -





-	IC				
	IC1401 B - 4, D -	4			
-	IC1402 A - 4				
-	IC1403 A - 3				
	IC1404 A - 3				
	IC1405 A - 2, E -				
	IC1406 B-1, D-				
	IC1410 B - 5, D -				
	IC1411 A - 2, E -	2			
TDANIOIOTOD					
	TRANSISTOR				
	Q1401 E-4				
	Q1402 E-4				
	Q1403 E-4				
	Q1404 E-4				
	Q1405 E-4				
	Q1406 D-2				
	Q1407 D-1				
	Q1408 D - 1				
	Q1409 D-2				
	Q1413 E-1				
	Q1414 E-2				
	Q1416 E-2				
	Q1417 E - 2 Q1419 D - 4				
	Q1421 E - 2 Q1422 E - 1				
	Q1425 D - 2				
	01425 D = 3				
	Q1420 D = 3				
	DIODE				
	D1401 E-5				
	1				

- · Pattern from the side which enables seeing.
- Pattern of the rear side.





	С
IC1401	B - 4, D - 4
IC1402	A - 4
IC1403	A - 3
IC1404	A - 3
IC1405	A - 2, $E - 2$
IC1406	B - 1, D - 2
IC1410	B - 5, D - 5
IC1411	A - 2, $E - 2$
	America de la composición dela composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición dela composición dela compo
TRANS	SISTOR
Q1401	E-4
Q1402	E - 4
Q1403	E - 4
Q1404	E - 4
Q1405	E-4
Q1406	D - 2
Q1407	D - 1
Q1407 Q1408	D - 1 D - 1
Q1408	D - 1
Q1408 Q1409	D - 1 D - 2
Q1408 Q1409 Q1413 Q1414 Q1416	D - 1 D - 2 E - 1 E - 2 E - 2
Q1408 Q1409 Q1413 Q1414 Q1416 Q1417	D-1 D-2 E-1 E-2 E-2 E-2
Q1408 Q1409 Q1413 Q1414 Q1416 Q1417 Q1419	D-1 D-2 E-1 E-2 E-2 E-2 D-4
Q1408 Q1409 Q1413 Q1414 Q1416 Q1417	D-1 D-2 E-1 E-2 E-2 E-2

Q1425

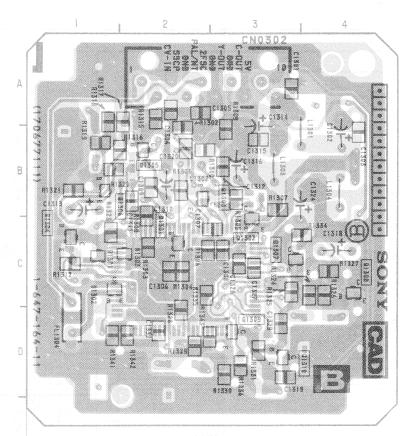
Q1426 D-3

D1401 E-5

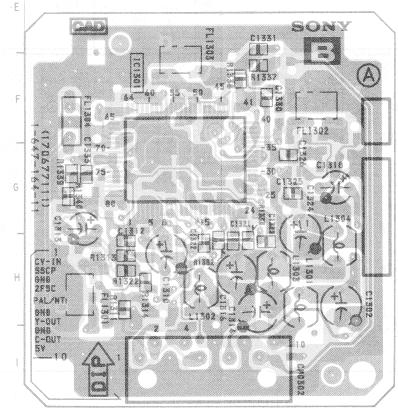
DIODE

D - 2

which enables seeing. de. - B BOARD -

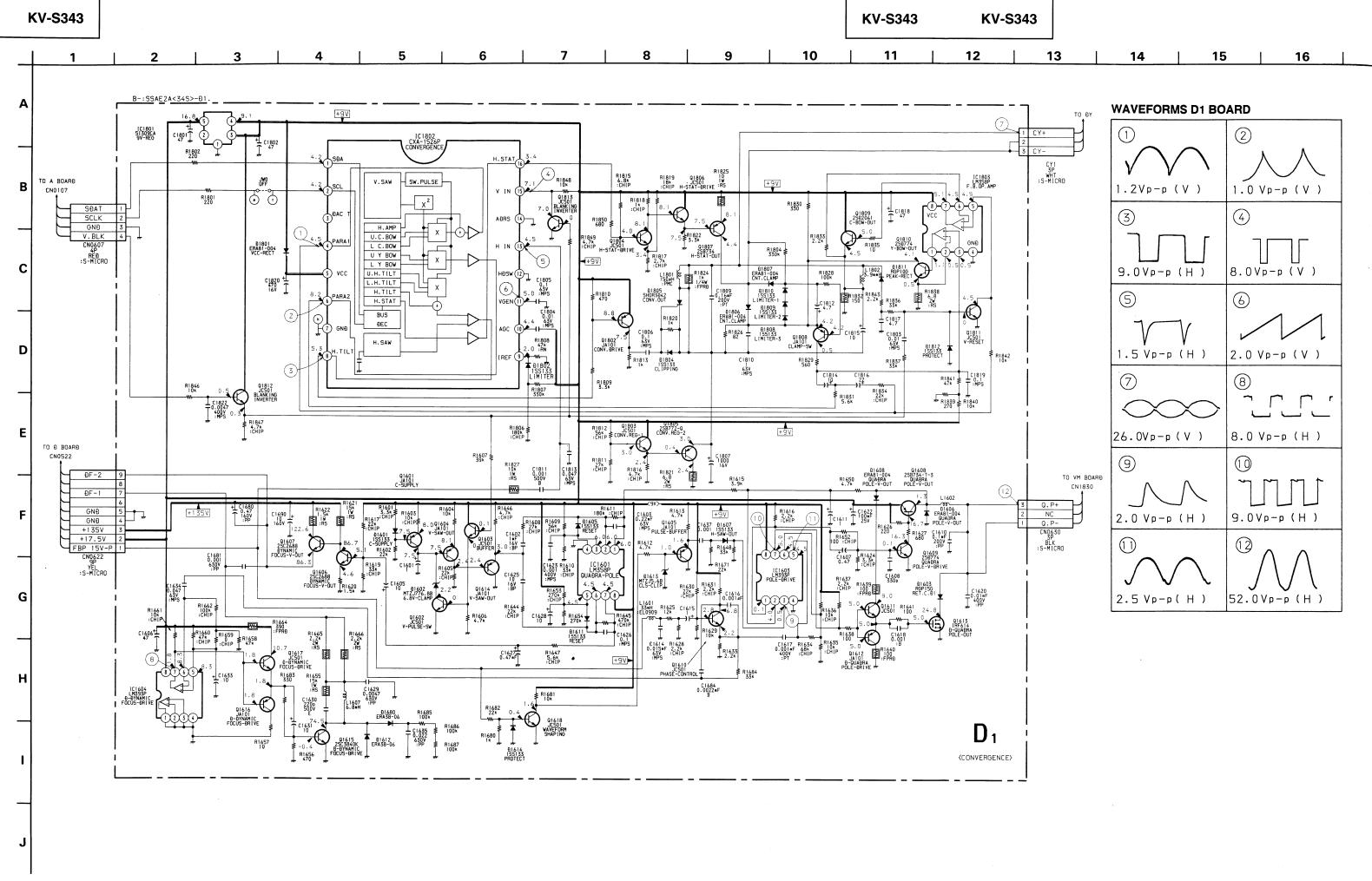


			<u> </u>	
	. 444	IC		
	IC1301		3 – 2	
	TRAN	1SIS	TOR	
	Q1301	(C - 2	
	Q1302	, E	3 – 3	
	Q1303	Е	3 – 2	
	Q1304		0 – 1	
	Q1305	E	3 – 2	
	Q1306	Е	3 – 1	
٠,	Q1307		2 – 3	
	Q1308		2 – 4	
	Q1310) – 3	
	DIODE			
	D1301		2 – 1	

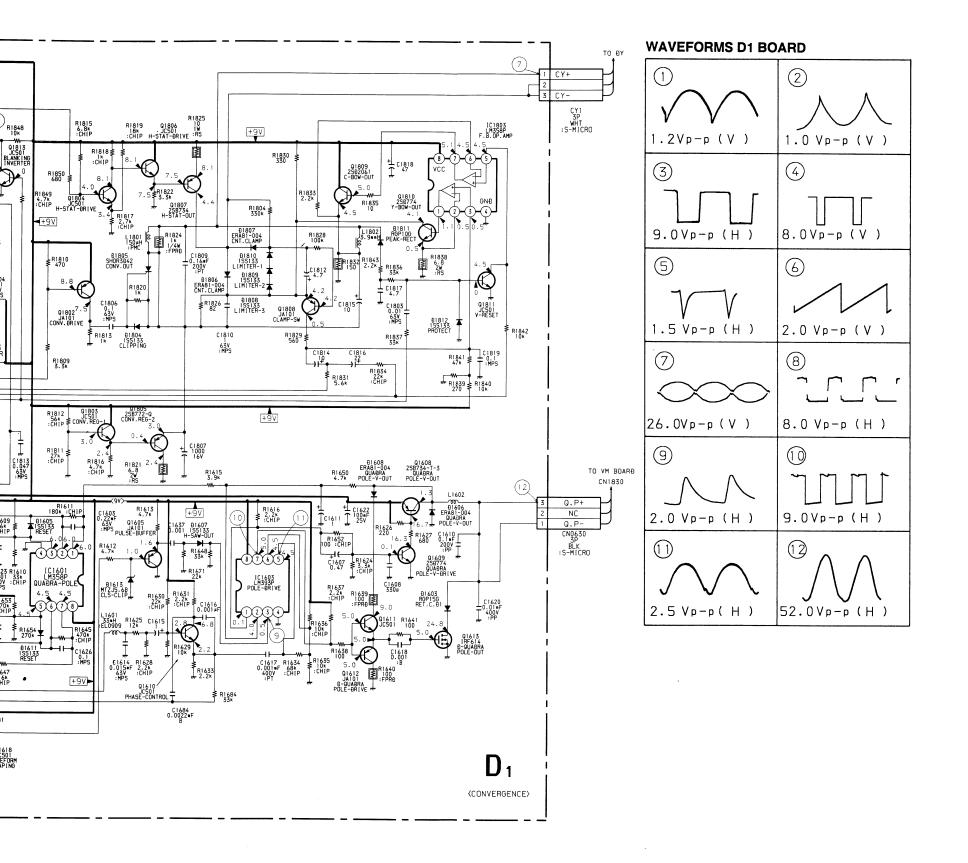


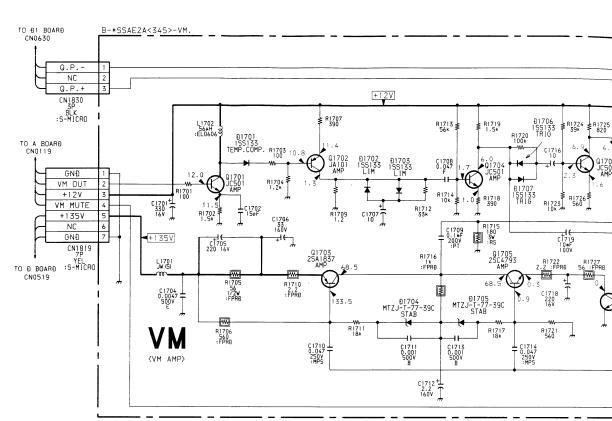
Note

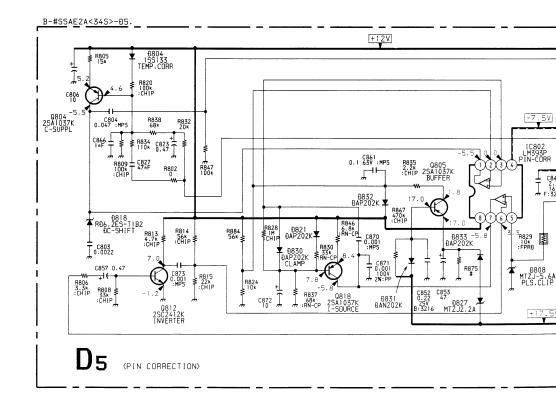
- · Pattern from the side which enables seeing.
- · : Pattern of the rear side.

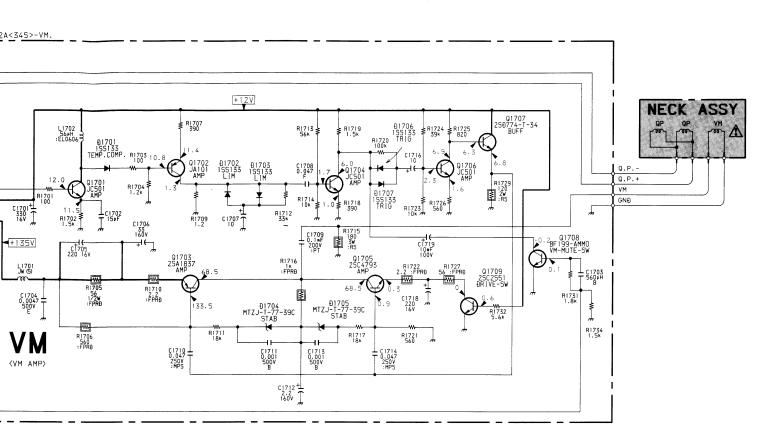


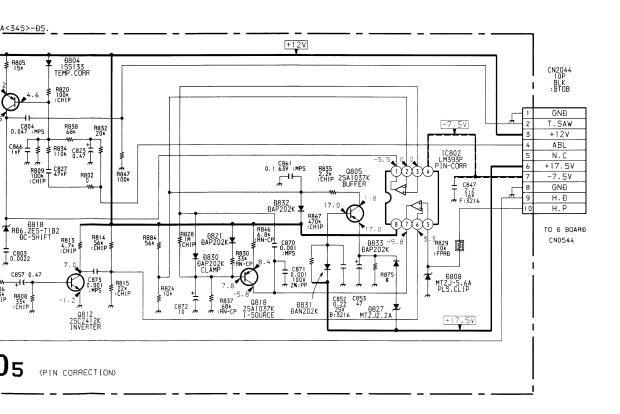


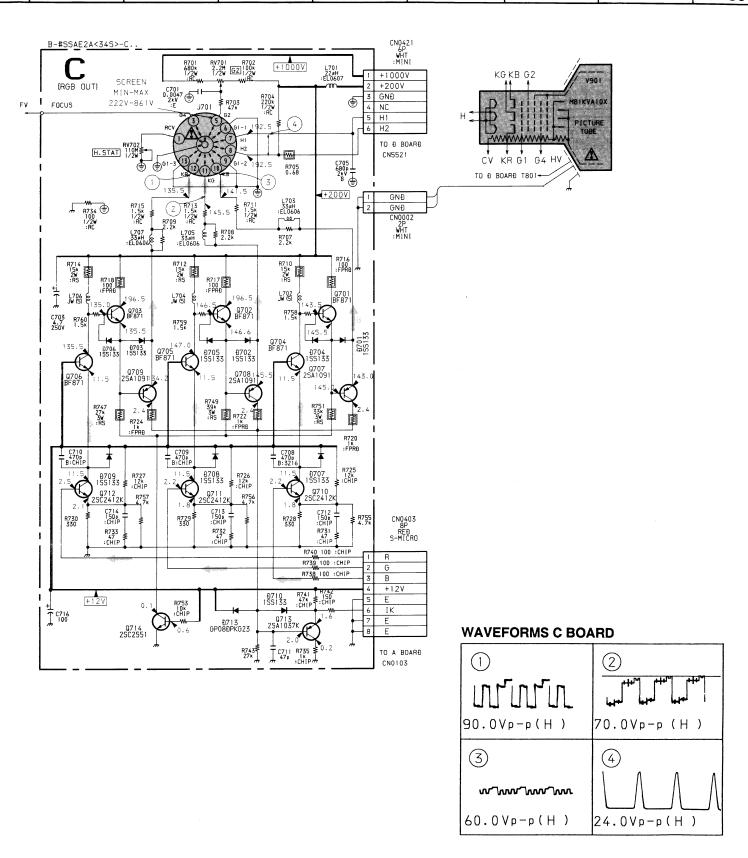


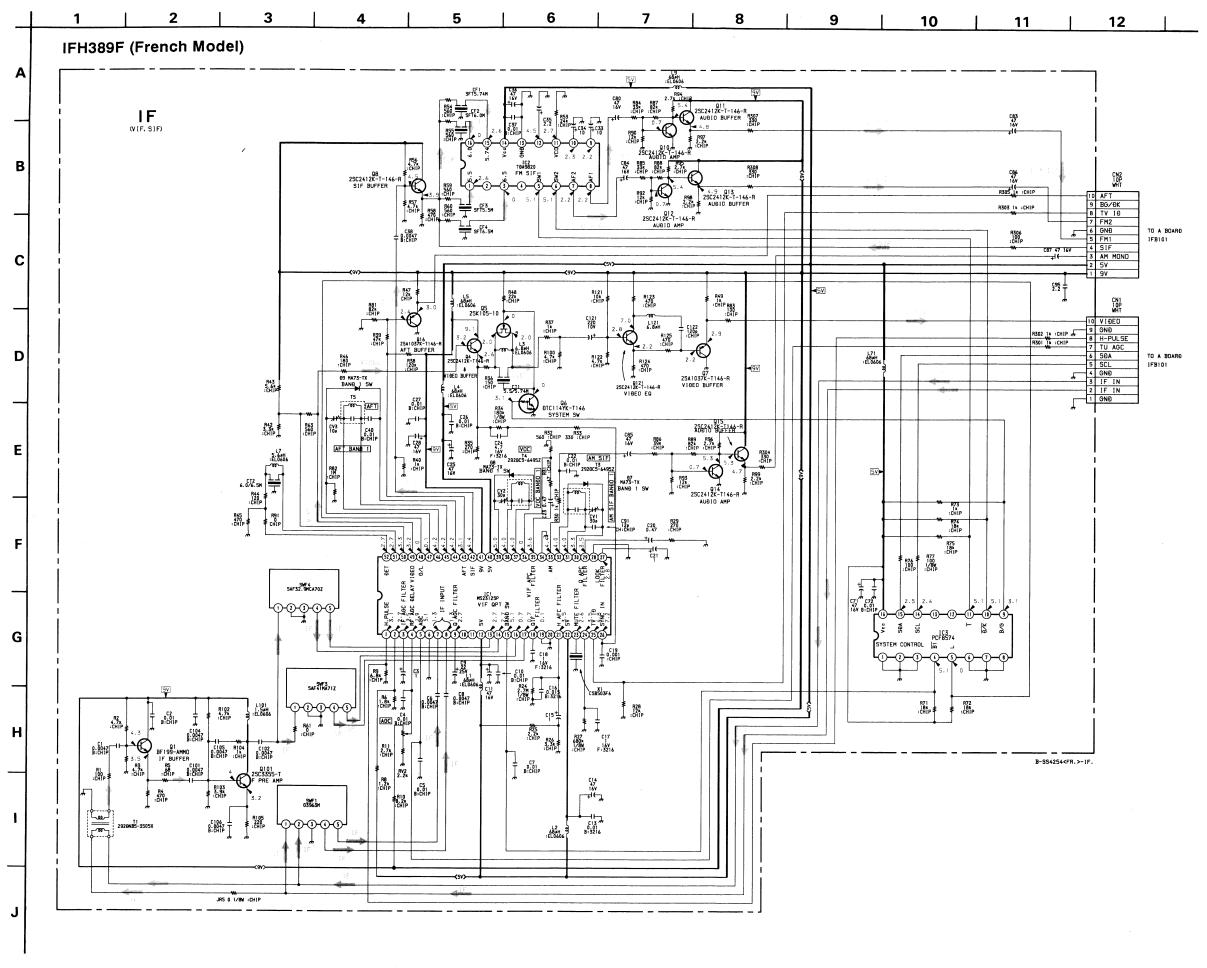






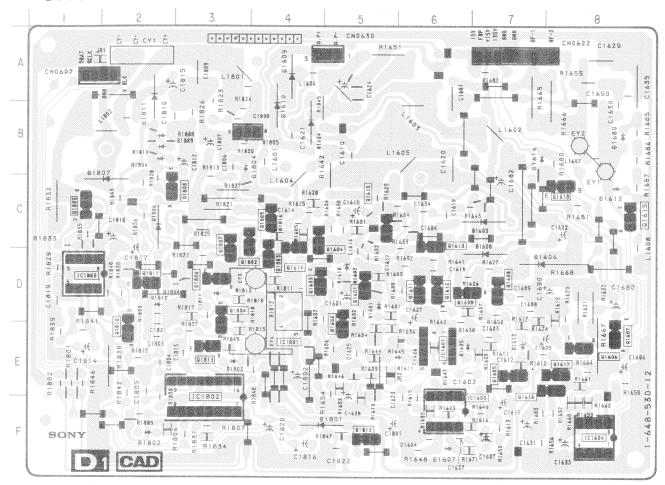






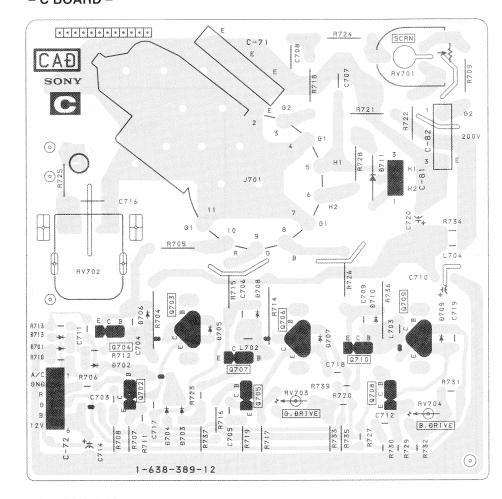


- D1 BOARD -

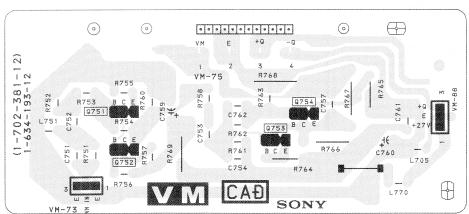


	IC	•	Q1807	C - 3	
	IC1601	E - 6	Q1808	C - 2	
	IC1603	F - 6	Q1809	C - 1	
	IC1603	F - 8	Q1810	E - 1	
			Q1811	D - 2	
	IC1801	D – 4	Q1812	F - 5	
	IC1802	E - 3	Q1813	E – 3	
	IC1803	D - 1			
	TRANSI	STOR	DIODE		
	Q1601	D - 5	D1601	D - 5	
	Q1602	D - 5	D1602	D - 5	
	Q1603	D – 4	D1603	C - 7	
	Q1604	C - 4	D1605	E – 6	
	Q1605	E – 7	D1606	D - 7	
	Q1606	E - 8	D1607	F - 6	
	Q1607	E-8	D1608	D-7	
	Q1608	D-6	D1611	E – 6	
	Q1609	D - 7	D1612	C - 8	
	Q1610	C - 5	D1613	E - 7	
	Q1611	D – 6	D1614	B - 7	
	Q1612	D - 6	D1680	B - 8	
	Q1613	C - 5	D1801	F - 5	
	Q1614	C – 4	D1802	F-2	
	Q1615	C – 8	D1804	B - 3	
	Q1616	E – 8	D1805	B - 4	
	Q1617	E – 8	D1806	C - 2	
	Q1618	C-8	D1807	B – 2	
	Q1802	C – 3	D1808	B – 2	
	Q1803	D – 4	D1809	B – 2	
	Q1804	D - 3	D1810	B – 2	
	Q1805	C – 4	D1811	A - 2	
	Q1806	D – 3	D1812	D - 2	
- 1	-,000	1			

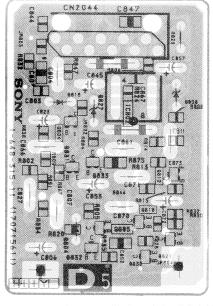
- C BOARD -



- VM BOARD -



- D5 BOARD -



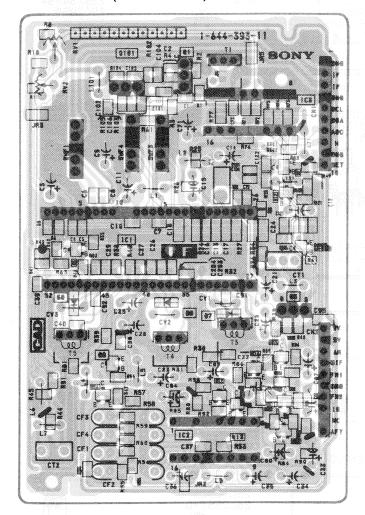
Note:

- : Pattern from the side which enables seeing,
- · : Pattern of the rear side.

KV-S343 KV-S343



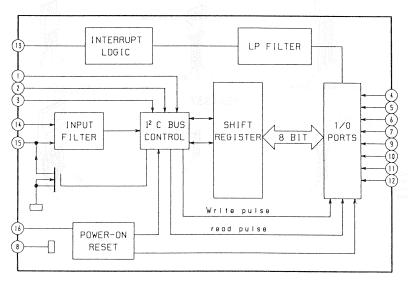
- IF BOARD - (French Model)

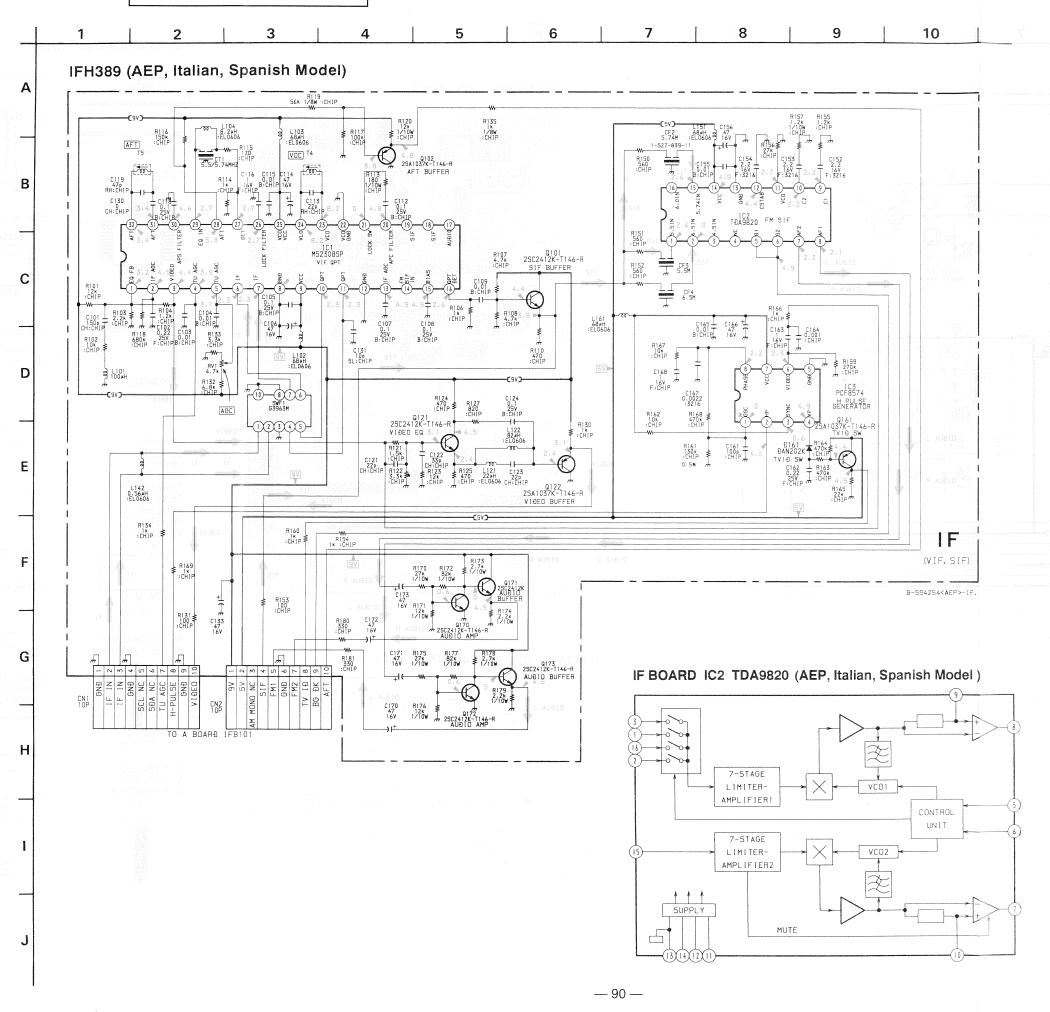


Note

- Pattern from the side which enables seeing.
- : Pattern of the rear side.

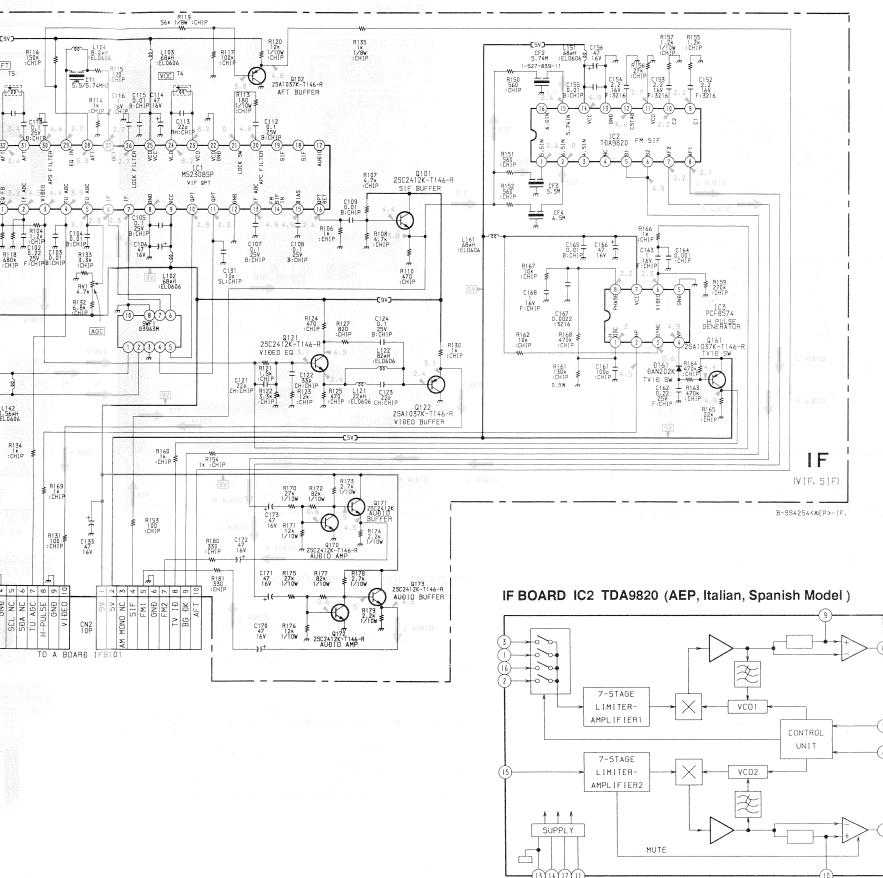
IF BOARD IC3 PC8574 (French Model)



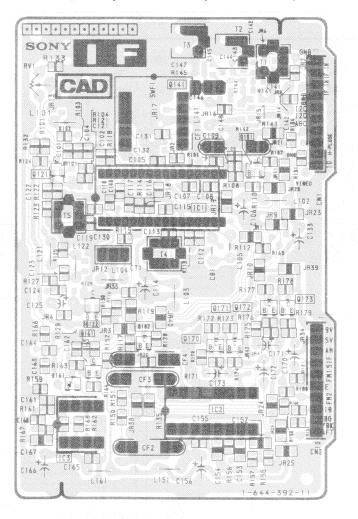




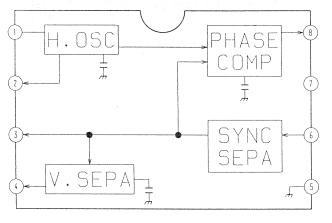
(AEP, Italian, Spanish Model)

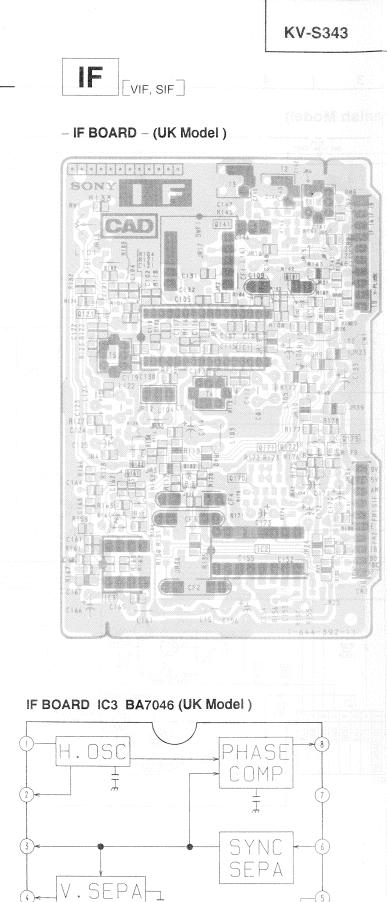


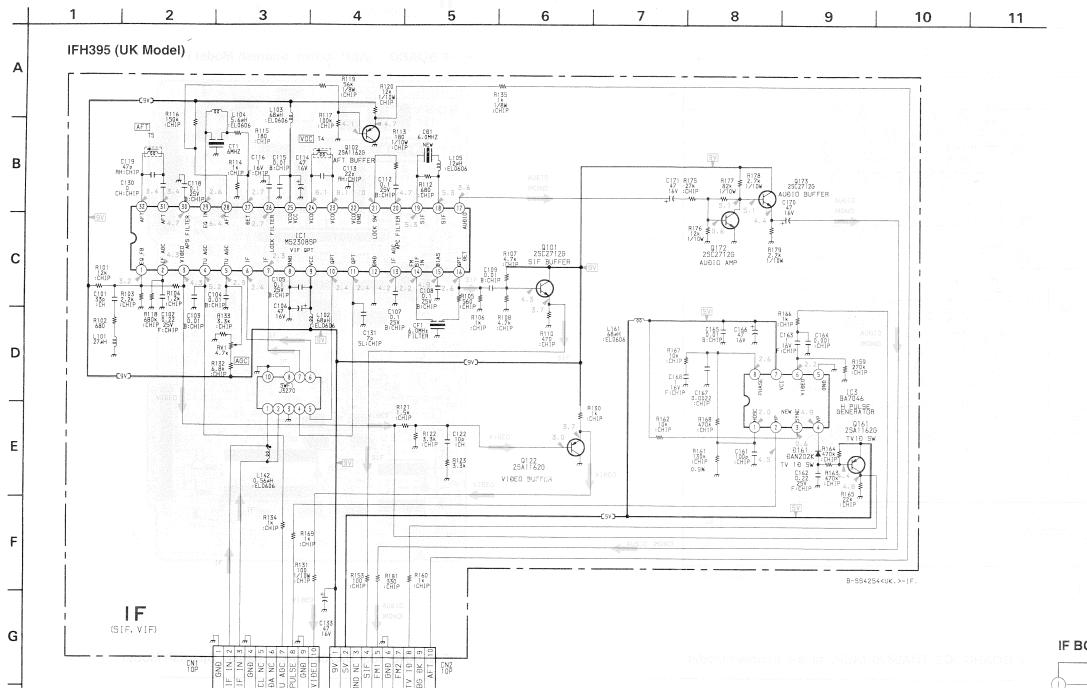
- IF BOARD - (AEP, Italian, Spanish Model)



IF BOARD IC3 BA7046 (AEP, Italian, Spanish Model)

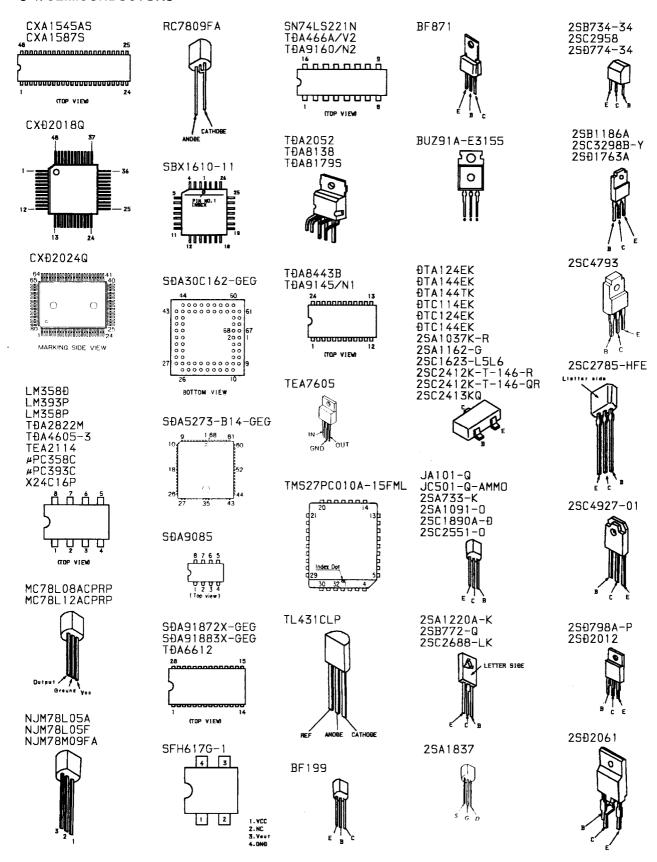


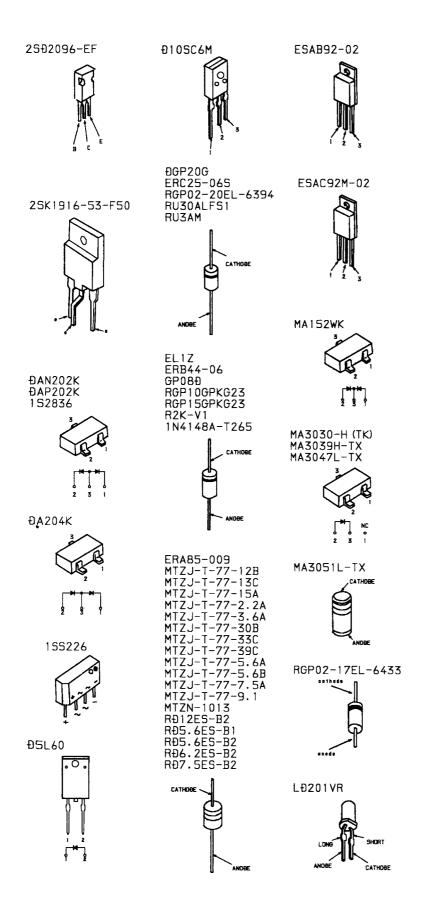




TO A BOARD IFB101

5-4. SEMICONDUCTORS





SECTION 6

EXPLODED VIEWS

NOTE:

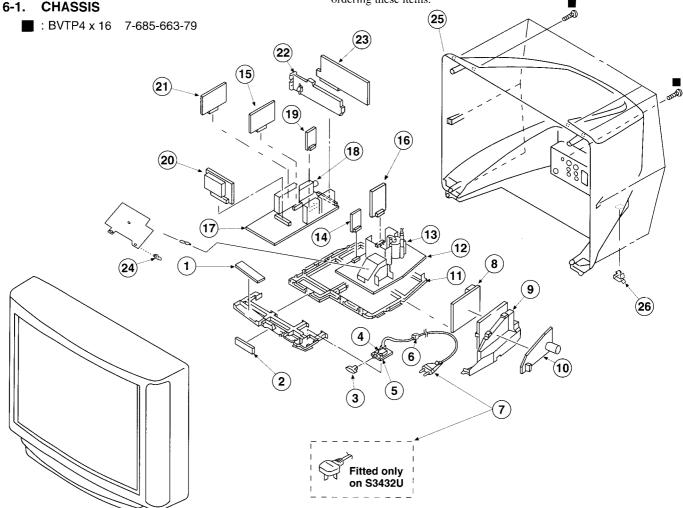
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked A are critical for safety.

Replace only with the part number specified.

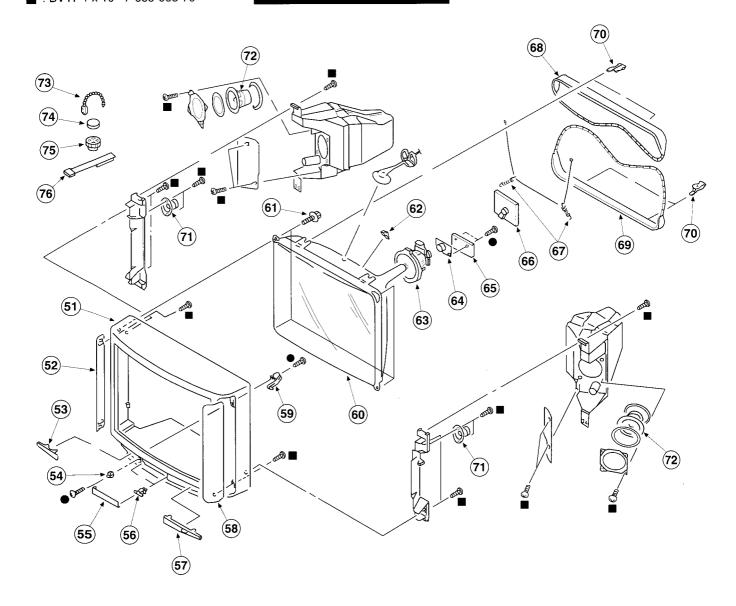
6-1. CHASSIS



REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*1-648-314-11	H1 BOARD		15	*A-1630-233-A	A4 BOARD, COMPLET	E
2	*1-648-475-11	H2 BOARD				(KV-S3431A,S	3431B, S3431D, S3431
3	4-202-124-01	BUTTON, POWER			*A-1630-236-A	A4 BOARD, COMPLET	E (KV-S3433E)
4	A. 1-571-433-11	SWITCH, PUSH (AC	POWER)		*A-1630-239-A	A4 BOARD, COMPLET	E (KV-S3432U)
5	*1-648-312-12		**************************************	16	*A-1640-114-A	D2 BOARD, COMPLET	E
6	🖈 4-389-201-01	HOLDER, AC CORD		17	*A-1632-205-A	A BOARD, COMPLETE	(KV-S3431A/S3431)
7	4 1-751-680-11	CORD, POWER (WITH	H NOISE FILTER)				S3431
		(KV-S3431A/	83431D/83433E/83431K)		*A-1632-206-A	A BOARD, COMPLETE	(KV-S3431B)
	∡î\ 1-590-460-11	CORD, POWER (WITH	I CONNECTOR)		*A-1632-208-A	A BOARD, COMPLETE	(KV-S3433E)
			(KV-83431B)		*A-1632-210-A	A BOARD, COMPLETE	(KV-S3432U)
	🗥 1-590-762-11	CORD, POWER (WIT		18	1-693-185-11	TUNER, (UV916H) (KV-83431A/S3431B/
			(KV-S3432U)			S343	1D/S3433E/S3431K)
8	*A-1640-098-A	D1 BOARD, COMPLE	re .		1-693-184-11	TUNER, (U944C) (K	V-S3432U)
9	*4-202-140-03	BRACKET, F		19	*A-1620-049-A	B BOARD, COMPLETE	
10	*A-1624-022-A	F2 BOARD, COMPLET	FE (KV-S3431A/S3431D)	20	*A-1635-020-A	M2 BOARD, COMPLET	E
	*A-1624-040-A	F2 BOARD, COMPLET	FE (KV-S3431B/S3433E/	21	*A-1622-006-A	P1 BOARD, COMPLET	E
			S3431K/S3432U)	22	*4-202-135-01	BRACKET, J	
11	*4-202-141-01			23	*A-1651-054-A	J BOARD, COMPLETE	
12	*A-1642-102-A		3	24	*4-313-732-00	CLIP, HINGE, CIRC	UIT BOARD
13	∠i 1-439-524-11	TRANSFORMER ASSY	, FLYBACK (NX-3000A2)	25 26	4-039-608-01	COVER, REAR	MIND IN THE RESERVE OF THE PARTY OF THE PART
14	*A-1640-113-A	D5 BOARD, COMPLET	PE	26	∡i 4-038-615-01	HOLDER, AC CORD	

6-2. PICTURE TUBE

● : BVTP3 x 12 7-685-648-71 ■ : BVTP4 x 16 7-685-663-79



REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4030-985-1	CABINET ASSY (WITH I	BEZEL ASSY)	65	*A-1342-189-A	VM BOARD, COMPLETE	1
52	X-4030-983-1	GRILLE (LEFT) ASSY,	SPEAKER	66	*A-1638-033-A	C BOARD, COMPLETE	
53	4-202-127-01	PLATE, ORNAMENTAL		67	4-369-318-51	SPRING, TENSION	malessorremental a carrangement considerate language
54	4-036-881-01	LOCK ASSY, DOOR		68	<u>+</u> 1-406-701-11	COIL, DEMAGNETIZAT	CION
55	4-202-125-01	DOOR		69	1-406-702-11	COIL, DEMAGNETIZAT	PION
56	4-202-555-01	SHAFT, DOOR		70	4-033-744-01	CLIP	
57	4-202-123-01	WINDOW, ORNAMENTAL		71	1-504-121-21	SPEAKER (SQUAWKER)	(5CM)
58	X-4030-984-1	GRILLE (RIGHT) ASSY,	SPEAKER	72	1-504-145-11	SPEAKER (12CM)	
59	X-4030-459-1			73	4-308-870-00	CLIP, LEAD WIRE	
59 60	本 8-733-731-05	PICTURE TUBE (M81KV)	(10X) SD-247	74	1-452-032-00	MAGNET, DISK; 10MM	ı Ø
61	4-036-188-01			75	1-452-094-00	MAGNET, ROTATABLE	DISK; 15MM Ø
62	3-704-495-01	SPACER, DY		76	X-4306-312-0	PERMALLOY ASSY, CO	NVERGENCE
63	/L 1-451-393-12	DEFLECTION YOKE (Y34	EXA)				
64	d 1-452-616-11	NECK ASSY, PICTURE '	UBE (NA-323)				

ELECTRICAL PARTS LIST SECTION 7

The components identified by shading and marked ! are critical for safety. Replace only with the part number specified.

Items marked "* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F: nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

 $\mathsf{MF}:\mathsf{mF},\,\mathsf{PF}:\;\mathsf{mmF}$

 $MMH: mH, \mu H:$





				• F	: nonflamma	ıble					1 V I	
REF.NO.	PART NO.	DESCRIPT	ION		REMARK	REF.NO.	PART NO.	DESCRIPTI	ON			REMARK
	*A-1342-189-A	VM BOARD, (Q1705	8-729-017-06	TRANSISTOR 2	2SC4793			
	4-382-854-11	SCREW (M3X10), P, SW (+)			Q1706 Q1707 Q1708		TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 1	2SD774-3	-HFE 34		
	< CAP.	ACITOR >				Q1709	8-729-255-12			-0		
C1701	1-124-119-00		330MF	20%	16V		< RES	ISTOR >				
C1702 C1703	1-102-951-00		15PF	5% 1.0%	50V	D1701	1 047 007 31	al Prov	100	-0	4 / 4	
C1703	1-102-115-00		560PF	10%	50V	R1701	1-247-807-31		100	5%	1/4W	
	1-161-830-00		0.0047MF	0.00	500V	R1702	1-249-419-11		1.5K		1/4W	
C1705	1-124-120-11	ELECT	220MF	20%	16V	R1703	1-247-807-31		100	5%	1/4W	
01706	1 102 025 00	D1 D00	2212	0.00	1.000	R1704	1-249-418-11		1.2K		1/4W	
C1706	1-123-935-00		33MF	20%	160V	R1705	1-247-736-11	CARBON	56	5%	1/2W	F
C1707	1-124-907-11	ELECT	10MF	20%	50V	24706	4 040 444 44					_
C1708	1-101-006-00		0.047MF	4.00	50V	R1706	1-249-414-11	CARBON	560	5%	1/4W	F
C1709	1-110-364-11		0.1MF	10%	200V	R1707	1-249-411-11		330	5%	1/4W	
C1710	1-136-207-11	F1LM	0.047MF	10%	250V	R1709	1-249-418-11		1.2K		1/4W	
01711	1 100 010 11		0 004	4.00	- a a	R1710	1-249-385-11		2.2	5%	1/4W	F
C1711	1-162-318-11	CERAMIC	0.001MF	10%	500V	R1711	1-249-432-11	CARBON	18K	5%	1/4W	
C1712	1-124-799-11	ELECT	2.2MF	20%	160V							
C1713	1-162-318-11		0.001MF	10%	500V	R1712	1-249-435-11		33K	5%	1/4W	
C1714	1-136-207-11		0.047MF	10%	250V	R1713	1-249-438-11		56K	5%	1/4W	
C1716	1-124-907-11	ELECT	10MF	20%	50V	R1714	1-249-429-11		10K	5%	1/4W	
01710	1 101 100 11				4.5	R1715	1-216-476-11		180	5%	3W	F
C1718	1-124-120-11		220MF	20%	16V	R1716	1-249-417-11	CARBON	1K	5%	1/4W	F
C1719	1-124-907-11	ELECT	10MF	20%	50V	-4545						
		VIII OMAD				R1717	1-249-432-11		18K	5%	1/4W	
	< CON	NECTOR >				R1718	1-249-412-11		390	5%	1/4W	
CN1819	±1 ECO 000 E1	DIN COMME	מד מסתו			R1719	1-249-419-11		1.5K		1/4W	
CN1819	*1-568-882-51 *1-568-878-51					R1720 R1721	1-249-441-11		100K 560	5% 5%	1/4W	
CM12030	1 300-070-31	FIN, COMMEC	JON JF			KIIZI	1-249-414-11	CARDUN	300	2%	1/4W	
	< DIC	DE >				R1722	1-249-385-11	CARBON	2.2	5%	1/4W	F
						R1723	1-249-429-11		10K	5%	1/4W	
D1701	8-719-901-33	DIODE 1SS13	13			R1724	1-249-436-11		39K	5%	1/4W	
D1702	8-719-901-33					R1725	1-249-416-11		820	5%	1/4W	
D1703	8-719-901-33					R1726	1-249-414-11	CARBON	560	5%	1/4W	
D1704	8-719-982-37											
D1705	8-719-982-37	DIODE MTZJ-	·39C			R1727	1-249-402-11		56	5%	1/4W	
71706						R1729	1-216-451-11		120	5%	2W	F
D1706	8-719-901-33					R1731	1-249-420-11		1.8K		1/4W	
D1707	8-719-901-33	DIODE 1SS13	13			R1732	1-249-426-11		5.6K		1/4W	
	< COI	т. 💉				R1734	1-249-419-11	CARBON	1.5K	5%	1/4W	
	\ C01	- /				******	******	******	******	****	******	****
L1702	1-408-418-00	INDUCTOR	56UH									
	< TRA	NSISTOR >					*A-1620-049-A	B BOARD, COM				
01701			A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4									
Q1701 Q1702	8-729-119-78	TRANSISTOR	ZSCZ785-HFE				< CAP	ACITOR >				
Q1702 Q1703	8-729-173-38					01001	1 164 000 61	Ann	0 04		1.00	
Q1703 Q1704	8-729-017-05 8-729-119-78					C1301	1-164-232-11				10%	50V
X=102	0-143-113-/8	TRANSISTUR	ADCA / OD - RFE			C1302	1-126-101-11	ELECT	100MF		20%	16V





REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C1303 C1304 C1305	1-164-232-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 33PF	10% 10% 5%	50V 50V 50V	Q1306 Q1307 Q1308 Q1310	8-729-216-22 8-729-216-22	TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR 2SA	1162-G 1162-G		
C1306		CERAMIC CHIP 47PF CERAMIC CHIP 0.01MF	5% 10%	50V 50V			ISTOR >			
C1307 C1308		CERAMIC CHIP 0.01MF	5%	50V						
C1309 C1310	1-163-101-00 1-126-101-11	CERAMIC CHIP 22PF ELECT 100MF	5% 20%	50V 16V	R1301 R1302	1-216-053-00 1-216-059-00		1.5K 5% 2.7K 5%	1/10V 1/10V	
			200		R1303	1-216-043-00	METAL GLAZE	560 5%	1/100	4
C1311 C1312	1-163-038-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 470PF	5%	25V 50V	R1304 R1305	1-216-043-00 1-216-067-00		560 5% 5.6K 5%	1/10V 1/10V	
C1313	1-104-792-51	ELECT 33MF	20%	16V				107	1 /1 05	
C1314 C1315	1-126-101-11	ELECT 100MF CERAMIC CHIP 0.01MF	20% 10%	16V 50V	R1306 R1307	1-216-073-00 1-216-069-00	METAL GLAZE	10K 5% 6.8K 5%	1/10V 1/10V	
					R1308	1-216-069-00	METAL GLAZE	6.8K 5%	1/100	V
C1316 C1317	1-126-101-11 1-164-232-11	ELECT 100MF CERAMIC CHIP 0.01MF	20% 10%	16V 50V	R1309 R1310	1-216-055-00 1-216-295-91		1.8K 5% 0 5%	1/10V 1/10V	
C1318	1-124-477-11	ELECT 47MF	20%	16V				107 50	1 /1 05	a
C1319 C1320		CERAMIC CHIP 0.01MF CERAMIC CHIP 0.001MF	10% 5%	50V 50V	R1311 R1312	1-216-073-00 1-216-057-00		10K 5% 2.2K 5%	1/10V 1/10V	
					R1313	1-216-089-91	METAL GLAZE	47K 5%	1/100	
C1321 C1322	1-164-232-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	10% 10%	50V 50V	R1314 R1315	1-216-065-00 1-216-049-00		4.7K 5% 1K 5%	1/10V 1/10V	
C1323	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V				0 07 50	1 /107	a
C1324 C1325	1-126-101-11	ELECT 100MF CERAMIC CHIP 0.01MF	20% 10%	16V 50V	R1316 R1317	1-216-071-00 1-216-083-00		8.2K 5% 27K 5%	1/10V 1/10V	
					R1318	1-216-051-00	METAL GLAZE	1.2K 5%	1/10	
C1326 C1327	1-164-232-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	10% 10%	50V 50V	R1319 R1320	1-216-043-00 1-216-067-00		560 5% 5.6K 5%	1/10V 1/10V	
C1328	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V					1 /1 01	a
C1329 C1330	1-163-038-00 1-163-038-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF		25V 25V	R1321 R1322	1-216-049-00 1-216-025-00		1K 5% 100 5%	1/10V 1/10V	
			4.00	F0**	R1324	1-216-055-00	METAL GLAZE	1.8K 5%	1/10V 1/10V	
C1331 C1332		CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	10% 10%	50V 50V	R1325 R1326	1-216-043-00 1-216-067-00		560 5% 5.6K 5%	1/10	
C1333		CERAMIC CHIP 0.01MF	10%	50V	D1207	1 216 040 00	MEMAI OLAGO	1K 5%	1/100	a a
	< CO1	NNECTOR >			R1327 R1330	1-216-049-00 1-216-067-00		1K 5% 5.6K 5%	1/10	A
aro 2 0 2			10D		R1331 R1332	1-216-049-00 1-216-653-11		1K 5% 1.2K 0.509	1/107 1/107	
CN0302	^1-5/3-299-11	CONNECTOR, BOARD TO BOA	WD IOP		R1333	1-216-666-11		4.3K 0.50		
	< DIC	ODE >			R1334	1-216-635-11	METAL CHIP	220 0.509	6 1/10V	я
D1301	8-719-914-43	DIODE DAN202K			R1335	1-216-637-11	METAL CHIP	270 0.509	t 1/10v	N
	∠ ₽ 11	LTER >			R1336 R1337	1-216-657-11 1-216-663-11	METAL CHIP	1.8K 0.509 3.3K 0.509	6 1/101 6 1/101	N N
					R1338	1-216-657-11		1.8K 0.50	8 1/107	N
FL1301 FL1302		FILTER, LOW PASS FILTER, LOW PASS			R1339	1-216-295-91	METAL GLAZE	0 5%	1/10	Я
FL1303	1-239-550-41	FILTER, LOW PASS			R1342	1-216-295-91	METAL GLAZE	0 5%	1/10	W
FL1304	1-236-164-11	ENCAPSULATED COMPONENT			R1343		METAL GLAZE		1/10	
	< IC	>			*****	******	******	*******	*****	*****
IC1301	8-752-357-88	IC CXD2024Q-TL				*A-1622-006-A	P1 BOARD, COMP			
	< CO:	IL >					*****	****		
L1301	1-408-405-00	INDUCTOR 4.7UH				< CA	PACITOR >			
ь1302	1-408-403-00	INDUCTOR 3.3UH			C1401		CERAMIC CHIP O			25V
L1303 L1304	1-408-405-00 1-408-405-00				C1402 C1403		CERAMIC CHIP O		10%	25V 50V
					C1404	1-163-037-11	CERAMIC CHIP 0).022MF	10% 5%	25V
	< TR	ANSISTOR >			C1405		CERAMIC CHIP 1			50V
Q1301 Q1302		TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G			C1406 C1407		CERAMIC CHIP 1 CERAMIC CHIP 0		5%	50V 25V
Q1303	8-729-216-22	TRANSISTOR 2SA1162-G			C1408	1-164-182-11	CERAMIC CHIP 0).0033MF	10%	50V
Q1304 Q1305		TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR			C1409 C1410	1-124-903-11 1-163-038-00	ELECT 1 CERAMIC CHIP 0	LMF).1MF	20%	50V 25V
*	- 147 740-14	TIPETOTON SOCRETON ON			-					

P1

REF.NO.	PART NO.	DESCRIPTION	ON		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C1411	1-164-005-11	CERAMIC CHIP	0.47MF		25V		< COL	NECTOR >		- 41/2, 114
C1412 C1414 C1416 C1417	1-163-038-00 1-163-121-00 1-163-129-00 1-163-129-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 150PF 330PF 330PF	5% 5% 5%	25V 50V 50V 50V	CN1515 CN1516	*1-564-516-11 *1-568-879-11	PIN, CONNECTOR 4P PLUG, CONNECTOR 13F PIN, CONNECTOR 4P		
C1419 C1420		CERAMIC CHIP			25V 25V	CN1538	*1-5/3-299-11 < DIC	CONNECTOR, BOARD TO) BOARD 10P	
C1421	1-163-038-00	CERAMIC CHIP	0.1MF		25V					
C1422 C1423	1-163-038-00	CERAMIC CHIP	0.1MF		25V 25V	D1401 D1403 D1404	8-719-914-43	DIODE MA3051L-TX DIODE DAN202K DIODE DA204K		
C1424 C1425		CERAMIC CHIP		10% 10%	50V 50V	D1405	8-719-914-42	DIODE DA204K		
C1426	1-163-124-00	CERAMIC CHIP	200PF	5%	50V		< FII	TER >		
C1427 C1428	1-124-916-11	ELECT CERAMIC CHIP	22MF	20%	50V 25V	FL1403	1_236_071_11	ENCAPSULATED COMPON	TEXT	
						FL1404	1-236-071-11	ENCAPSULATED COMPON	IENT	
C1430 C1431	1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF	1.0%	25V 25V	FL1405 FL1406		ENCAPSULATED COMPONENCAPSULATED COMPON		
C1431	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V 25V	FL1400	1-236-071-11	ENCAPSULATED COMPON	ENT ENT	
C1433 C1434	1-164-004-11 1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF	10%	25V 25V	FL1408		ENCAPSULATED COMPON		
C1435 C1437		CERAMIC CHIP		10%	25V 25V		< IC	>		
C1438	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	IC1401	8-759-073-16	IC TDA9160/N2		
C1439 C1440		CERAMIC CHIP		5% 5%	50V 50V	IC1402 IC1403		IC TDA4661T/V2 IC SDA9187-2XGEG		
					201	IC1403		IC SDA9188-3XGEG		
C1441 C1442	1-164-005-11	CERAMIC CHIP CERAMIC CHIP	0.47MF		25V	IC1405	8-759-248-91	IC SDA9086-5		
C1442 C1443	1-163-251-11	CERAMIC CHIP	0.4/MF 100PF	5%	25V 50V	IC1406	8-759-183-36	IC TDA8443B		
C1444 C1445	T-104-002-11	CERMIT CUIP	U.4/Mr		25V	IC1410	8-759-037-45	IC MC78L08ACPRP		
	1-104-003-11	CERAMIC CHIP	U.4/MF		25V	IC1411	8-759-708-05	IC NJM78L05A		
C1446 C1447	1-164-005-11	CERAMIC CHIP CERAMIC CHIP	0.47MF		25V		< COI	L >		
C1448		CERAMIC CHIP			25V 25V	L1401	1-408-418-00	INDUCTOR 56UH		
C1449		CERAMIC CHIP		5%	50V	L1405	1-408-407-00	INDUCTOR 6.8U	H	
C1450	1-164-005-11	CERAMIC CHIP	0.47MF		25V	L1406	1-408-407-00	INDUCTOR 6.8U	H	
C1451		CERAMIC CHIP		10%	50V		< TRAN	SISTOR >		
C1452 C1453		CERAMIC CHIP CERAMIC CHIP			25V 25V	01401	8-729-920-74	TRANSISTOR 2SC2412K	-OR	
C1454	1-163-038-00	CERAMIC CHIP	0.1MF		25V	Q1402	8-729-920-74	TRANSISTOR 2SC2412K	-QR	
C1455	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	Q1403 Q1404		TRANSISTOR 2SC2412K TRANSISTOR 2SA1162-		
C1456		CERAMIC CHIP		5%	50V	Q1405		TRANSISTOR 2SC2412K		
C1457 C1458		CERAMIC CHIP			25V 16V	01406	8_720_020_74	TRANSISTOR 2SC2412K	_OP	
C1459	1-164-505-11	CERAMIC CHIP	2.2MF		16V	Q1400 Q1407		TRANSISTOR 2SC2412A		
C1460	1-163-038-00	CERAMIC CHIP	0.1MF		25V	Q1408	8-729-216-22			
C1461	1-164-005-11	CERAMIC CHIP	0.47MF		25V	Q1409 Q1413	8-729-216-22 8-729-216-22			
C1462		CERAMIC CHIP		0.00	25V					
C1463 C1464	1-126-101-11 1-126-101-11		100MF 100MF	20% 20%	16V 16V	Q1414 01416	8-729-900-53 8-729-920-74	TRANSISTOR DTC114EK TRANSISTOR 2SC2412K		
C1465	1-126-101-11		100MF	20%	16V	Q1417	8-729-900-53	TRANSISTOR DTC114EK		
C1466	1-126-101-11	RI.ECT	100MF	20%	16V	Q1418 Q1419	8-729-900-53 8-729-900-53			
C1467	1-126-101-11	ELECT	100MF	20%	16V	ÖT#13	0-143-300-33	TRANSISTOR DTC114EK		
C1468 C1469		CERAMIC CHIP			16V	Q1421	8-729-920-74			
C1469 C1471		CERAMIC CHIP CERAMIC CHIP		10%	16V 25V	Q1422 Q1425		TRANSISTOR 2SC2412K- TRANSISTOR 2SC2412K-		
						Q1426	8-729-900-53	TRANSISTOR DTC114EK		
C1472 C1473		CERAMIC CHIP		10% 10%	25V 25V	Q1430	8-729-900-53	TRANSISTOR DTC114EK		
C1481	1-164-005-11	CERAMIC CHIP	0.47MF		25V	Q1431	8-729-901-04	TRANSISTOR DTA114EK		
C1491	1-163-251-11	CERAMIC CHIP	100PF	5%	50V					







							<u> </u>			
REF.NO.	PART NO.	DESCRIPTION	<u>l</u>	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
JR1401	< RES	SISTOR >	0 5%	1/10W	R1484 R1485 R1486	1-216-081-00 1-216-041-00 1-216-033-00	METAL GLAZE 4	2K 5% 70 5% 20 5%	1/10W 1/10W 1/10W	1
R1401 R1402 R1403 R1404 R1405	1-216-097-00 1-216-073-00 1-216-025-00 1-216-025-00 1-216-049-00	METAL GLAZE METAL GLAZE	100K 5% 10K 5% 100 5% 100 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1487 R1493 R1494 R1495 R1496	1-216-033-00 1-216-075-00 1-216-025-00 1-216-053-00 1-216-065-00	METAL GLAZE 1 METAL GLAZE 1 METAL GLAZE 1	20 5% 2K 5% 00 5% .5K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	! !
R1406 R1407 R1408 R1410 R1411	1-216-051-00 1-216-057-00 1-216-041-00 1-216-029-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 5% 2.2K 5% 470 5% 150 5% 470 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1497 R1498 R1499	1-216-053-00 1-216-053-00 1-216-057-00	METAL GLAZE 1	.5K 5% .5K 5% .2K 5%	1/10W 1/10W 1/10W	
R1412 R1413 R1414 R1415 R1416	1-216-041-00 1-216-041-00 1-216-045-00 1-216-045-00 1-216-049-00	METAL GLAZE METAL GLAZE	470 5% 470 5% 680 5% 680 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	X1401 X1402	1-567-504-11	OSCILLATOR, CRY OSCILLATOR, CRY	STAL	*****	*****
R1417 R1418 R1419 R1421 R1422	1-216-033-00 1-216-025-00 1-216-027-00 1-216-033-00 1-216-023-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5% 100 5% 120 5% 220 5% 82 5%	1/10W 1/10W 1/10W 1/10W 1/10W	CN0003	*1-580-844-11	******** NECTOR > FIN. CONNECTOR	(Fower)		
R1424 R1425 R1426 R1427 R1429	1-216-041-00 1-216-041-00 1-216-041-00 1-216-041-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 470 5% 470 5% 470 5% 56K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	TOT PRESIDENT PROCESSES	< FUS	FIN, CONNECTOR E > FUSE (H.B.C.) 5 HOLDER, FUSE (F	A/250V		
R1430 R1431 R1434 R1435 R1436	1-216-069-00 1-216-073-00 1-216-043-00 1-216-073-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 10K 5% 560 5% 10K 5% 560 5%	1/10W 1/10W 1/10W 1/10W 1/10W	4-4-1111	1-571-433-11	TCH > SWITCH, FUSH (A			
R1437 R1438 R1439 R1441 R1442	1-216-031-00 1-216-045-00 1-216-057-00 1-216-053-00 1-216-053-00	METAL GLAZE METAL GLAZE	180 5% 680 5% 2.2K 5% 1.5K 5% 1.5K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		*A-1624-040-A	F2 BOARD, COMPLIANCE F2 BOARD,	*** ETE (KV-S3		3433E/
R1443 R1444 R1445 R1446 R1449	1-216-053-00 1-216-041-00 1-216-083-00 1-216-079-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5% 470 5% 27K 5% 18K 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C662 i	1-136-519-12 1-136-518-12 1-164-246-51 1-124-920-11 1-126-337-11	FILM 0. CERAMIC 0.	33MF 0022MF OMF	20%	300V 300V 400V 50V 50V
R1450 R1453 R1454 R1455 R1456		METAL GLAZE	220 5% 100 5% 100 5% 22K 5% 22K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	C672	1-161-964-91 1-161-964-91 1-125-555-11	CERAMIC 0. CERAMIC 0.	0047MF	20%	250V
R1457 R1458 R1462 R1463 R1464	1-216-057-00 1-216-053-00 1-216-073-00 1-216-049-00 1-216-093-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 1.5K 5% 10K 5% 1K 5% 68K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	CN0005 CN0006 CN0007 CN0924 CN0925	1-508-765-00 1-508-765-00 1-508-786-00 *1-568-878-51 *1-695-294-11	PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR PIN, CONNECTOR	(5MM PITCE (5MM PITCE 3P	I) 3P I) 2P	
R1465 R1466 R1468 R1469 R1471	1-216-093-00 1-216-295-91 1-216-049-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE	68K 5% 0 5% 1K 5% 1K 5% 330 5%	1/10W 1/10W 1/10W 1/10W 1/10W	CN0929	1-508-784-00	PIN, CONNECTOR	(5MM PITCH	I) 1P	
R1481 R1483	1-216-089-91 1-216-079-00		47K 5% 18K 5%	1/10W 1/10W	D661 D663 D664	8-719-901-33 8-719-510-53 8-719-109-89	DIODE 1SS133 DIODE D4SB60L DIODE RD5.6ESB2			



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
LP661 // LP662 //	1-424-436-11 1-424-436-11	ANSFORMER > TRANSPORMER, LINE F TRANSPORMER, LINE F (KY-S3431A/S3	ILTER	C1117 C1118 C1119 C1120	1-163-081-00 1-163-113-00 1-163-129-00 1-163-193-00	CERAMIC CHIP 68PF CERAMIC CHIP 330PF	5% 5% 5%	25V 50V 50V 50V
Q661	8-729-920-74	ANSISTOR > TRANSISTOR 2SC2412K SISTOR >	meraset neuen kun namen pantan kun men	C1121 C1122 C1123 C1124 C1125	1-163-113-00 1-163-081-00 1-106-228-00 1-124-477-11 1-124-477-11	MYLAR 0.22MF ELECT 47MF	5% 10% 20% 20%	50V 25V 100V 16V 16V
R664 /	1 - 244 - 945 - 91 1 - 205 - 998 - 11 1 - 218 - 265 - 11 1 - 249 - 405 - 11 1 - 249 - 430 - 11	CARBON 1M WIREWOUND 1 METAL 8.2N CARBON 100	5% 1/2W 5% 10W 5% 1W 5% 1/4W F 5% 1/4W	C1126 C1127 C1128 C1129 C1130	1-163-077-00 1-163-038-11 1-124-477-11 1-163-038-11 1-163-205-00	CERAMIC CHIP 0.1MF ELECT 47MF CERAMIC CHIP 0.1MF	10% 20% 10%	25V 25V 16V 25V 50V
R668 R669 /	1-249-436-11 1-202-968-11 1-205-998-11 1-249-417-11	CARBON 39K WIREWOUND 1.2 WIREWOUND 1	5% 1/4W 5% 10W 5% 10W 5% 1/4W F	C1131 C1132 C1133 C1134 C1135	1-163-059-00 1-163-038-11 1-124-907-11 1-163-009-11 1-163-038-11	CERAMIC CHIP 0.1MF ELECT 10MF CERAMIC CHIP 0.001MF	20% 10%	50V 25V 50V 50V 25V
RY666] - X	2.0.0.000000000000000000000000000000000			C1136 C1137 C1138 C1139 C1140	1-163-117-00 1-163-038-11 1-163-105-00 1-163-105-00 1-163-117-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 33PF CERAMIC CHIP 33PF	5% 5% 5% 5%	50V 25V 50V 50V 50V
	******	**************************************	(KV-S3431A/S3431B/	C1141 C1142 C1143 C1144 C1145		CERAMIC CHIP 0.0068MF CERAMIC CHIP 330PF CERAMIC CHIP 150PF	10% 10% 5% 5%	50V 50V 50V 50V 50V
		A4 BOARD, COMPLETE ***********************************	(KV-S3433E)	C1146 C1147 C1148 C1149 C1150	1-124-477-11 1-164-161-11 1-124-477-11	CERAMIC CHIP 0.0022MF	20% 10% 20%	25V 16V 50V 16V 25V
	< FII	**************************************		C1151 C1152	1-163-038-11 1-124-477-11	CERAMIC CHIP 0.1MF ELECT 47MF	20%	25V 16V
CF1101 CF1102 BP1101	1-404-134-00 1-236-238-11	TRAP, CERAMIC (6.0MI TRAP, CERAMIC (5.5MI FILTER, BANS PASS (I	HZ) (KV-S3433E) KV-S3432U)	C1153 C1154 C1155	1-163-087-00 1-163-038-11 1-124-477-11	CERAMIC CHIP 4PF CERAMIC CHIP 0.1MF ELECT 47MF	0.25PF 20%	7 50V 25V 16V
		FILTER, BAND PASS (FACITOR >	(V-53433E)	C1156 C1157 C1158	1-163-009-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.1MF	10% 10%	50V 50V 25V
<	C1101 - C1159	(KV-S3433E/S3432U) ON	ILY >	C1159	1-164-004-11	CERAMIC CHIP 0.1MF	10% (KV-S34	25V 132U)
C1101 C1102 C1103 C1104 C1105	1-163-077-00		20% 16V 20% 16V 50V 10% 25V 10% 16V	C1203 C1204 C1205 C1206 C1207	1-164-004-11		20% 20% 5% 10% 10%	50V 50V 50V 50V 50V
C1106 C1107 C1108 C1109 C1110	1-163-009-11 1-163-059-00 1-163-033-00	CERAMIC CHIP 180PF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.022MF CERAMIC CHIP 0.33MF	50V	C1208 C1209 C1210 C1211 C1212	1-124-927-11 1-124-907-11 1-163-101-00		10% 20% 20% 5% 5%	50V 50V 50V 50V 50V
C1111 C1112 C1113 C1114 C1115	1-163-099-11 1-164-161-11 1-124-477-11 1-163-038-11 1-124-477-11	CERAMIC CHIP 0.1MF	10% 50V F 10% 50V 20% 16V 25V 20% 16V	C1213 C1214 C1215 C1216 C1217	1-164-004-11 1-164-182-11 1-124-910-11 1-124-927-11 1-124-927-11	ELECT 4.7MF	10% 10% 20% 20% 20%	25V 50V 50V 50V 50V
C1116	1-106-228-00	MYLAR 0.022MF	10% 100V	C1218	1-124-927-11		20%	50 v



REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1219 C1220 C1221 C1222	1-124-927-11 1-124-927-11 1-124-927-11 1-163-014-00	ELECT 4.7MF ELECT 4.7MF	20% 20% 20% 10%	50V 50V 50V 50V			RRITE BEAD > DE/S3432U) ONLY	>
C1223 C1224 C1225 C1226 C1227	1-163-014-00 1-124-927-11 1-124-927-11 1-124-910-11 1-163-019-00	ELECT 4.7MF ELECT 4.7MF ELECT 47MF	10% 20% 20% 20% 10%	50V 50V 50V 50V 50V	FB1101 FB1102 FB1103 FB1104 FB1105	1-410-396-41 1-410-396-41 1-410-396-41	FERRITE BEAD DEFERRITE BEAD DEFERRIT	INDUCTOR 0.45UH INDUCTOR 0.45UH INDUCTOR 0.45UH INDUCTOR 0.45UH INDUCTOR 0.45UH
C1228 C1230 C1231 C1232 C1233	1-163-019-00 1-126-101-11 1-164-232-11 1-126-101-11 1-164-505-11	ELECT 100MF CERAMIC CHIP 0.01MF ELECT 100MF	10% 20% 10% 20%	50V 16V 50V 16V 16V	IC1101 IC1102 IC1201 IC1202 IC1203	8-759-511-88 8-759-184-28 8-759-145-58	IC TDA8732 (KV IC SAA7282-ZP IC UPC4558C IC UPC4558C	V-S3433E/S3432U) (KV-S3433E/S3432U)
C1234 C1235 C1236 C1237 C1245	1-163-009-11 1-163-009-11 1-124-927-11 1-124-927-11 1-163-131-00	CERAMIC CHIP 0.001MF ELECT 4.7MF ELECT 4.7MF	10% 10% 20% 20% 10%	50V 50V 50V 50V 50V	IC1204 IC1251	8-759-503-59 8-759-257-64 < COI	IC TDA7317	
C1246 C1247 C1251 C1252 C1253	1-163-131-00 1-163-131-00 1-163-009-11 1-163-010-11 1-163-014-00	CERAMIC CHIP 390PF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0012MF	10% 10% 10% 10% 10%	50V 50V 50V 50V 50V	L1101 L1102 L1103 L1104 L1105	1-408-405-00 1-408-405-00 1-410-119-11 1-410-119-11 1-408-411-00	INDUCTOR	4.7UH (KV-S3433E/S3432U) 4.7UH (KV-S3433E/S3432U) 1MMH (KV-S3433E/S3432U) 1MMH (KV-S3433E/S3432U) 15UH (KV-S3432U)
C1254 C1255 C1256 C1257 C1258	1-163-022-00 1-163-986-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.012MF CERAMIC CHIP 0.027MF	10% 10% 10% 10% 10%	50V 50V 50V 25V 25V	L1201 L1202 L1251	1-408-421-00 1-408-421-00 1-408-421-00		100UH 100UH 100UH
C1258	1-163-986-00	CERAMIC CHIP U.UZ/MF	10%	23V		< 1K	M2121OK >	
C1259 C1260 C1261 C1262	1-164-348-11		10% 10% 10% 10%	25V 25V 50V 50V	Q1101 Q1102	8-729-920-74	TRANSISTOR 2SO	C2412K-QR (KV-S3433E/ S3432U) C2412K-QR (KV-S3433E/ S3432U)
C1263	1-163-014-00	CERAMIC CHIP 0.0027MF	10%	50V	Q1103	8-729-920-74	TRANSISTOR 2SO	C2412K-QR (KV-S3433E/ S3432U)
C1264 C1265 C1266 C1267			10% 10% 10% 10%	50V 50V 50V 25V	Q1104 01105	8-729-920-74 8-729-920-74		C2412K-QR (KV-S3433E/ S3432U) C2412K-QR (KV-S3433E/
C1268	1-163-986-00		10%	25V	_			S3432U)
C1269 C1270 C1271		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.12MF ELECT 22MF	10% 10% 20%	25V 25V 50V	Q1106 Q1107			C2412K-QR (KV-S3433E/ S3432U) C2412K-QR (KV-S3433E/
C1272 C1273	1-124-910-11		20%	50V 50V	01100	0 720 020 74	mpanetemop 200	\$3432U) C2412K-QR (KV-\$3433E/
C12/3	1-124-907-11 < CO	ELECT 10MF NNECTOR >	20%	201	Q1108 Q1201		TRANSISTOR 250	\$3432U)
CN0201	1-605-300-11	CONNECTOR, BOARD TO BO	ARD 20P		01202	8-729-920-74	TRANSISTOR 2SO	C2412K-OR
CN0202 CN0203	*1-564-508-11	PLUG, CONNECTOR 5P PLUG, CONNECTOR 6P	AND ZUF		Q1202		SISTOR >	SETTEN VI
	< DI	ODE >				R1101 - R1154	(KV-S3433E/S343	32U) ONLY >
D1101	8-710-011-11	DIODE DAP202K (KV-S343	3E/G3432	11)	JR1101	1-216-296-00	METAL GLAZE	0 5% 1/8W
D1102 D1103 D1201	8-719-027-70 8-719-820-71	DIODE 1SV217-TPH3 (KV-DIODE 1SV214 (KV-S3433) DIODE DAN202K	S3433E/S	3432U)	JR1102	1-216-296-00	METAL GLAZE	(KV-S3433E) 0 5% 1/8W (KV-S3433E/S3432U)
D1202		DIODE DA204K			JR1103	1-216-296-00	METAL GLAZE	0 5% 1/8W
D1203	8-719-914-42	DIODE DA204K			JR1104	1-216-295-00	METAL GLAZE	(KV-S3433E/S3432U) 0 5% 1/10w
					JR1201	1-216-295-00		(KV-S3433E/S3432U) 0 5% 1/10W
						00		



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REF.NO.	PART NO.	DESCRIPTIO	<u>N</u>		REMARK	REF.NO.	PART NO.	DESCRIPTION	ON		REMARK
R1101 R1102 R1103 R1104 R1105	1-216-188-00 1-216-049-00 1-216-049-00 1-216-041-00 1-216-005-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	390 1K 1K 470 15	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W	R1207 R1208 R1209 R1210 R1211	1-216-073-00 1-216-083-00 1-216-083-00 1-216-073-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 27K 27K 10K 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1106 R1107 R1108 R1109 R1110	1-216-185-11 1-216-042-00 1-216-063-00 1-216-202-00 1-216-196-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	300 510 3.9K 1.5K 820	5% 5% 5% 5% 5%	1/8W 1/10W 1/10W 1/8W 1/8W	R1212 R1213 R1214 R1215 R1216	1-216-073-00 1-216-073-00 1-216-073-00 1-216-089-91 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 10K 47K 470K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1111 R1112 R1113 R1114 R1115	1-216-041-00 1-216-051-00 1-216-001-00 1-216-105-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 1.2K 10 220K 1M	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1217 R1218 R1219 R1220 R1221	1-216-073-00 1-216-121-00 1-216-113-00 1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 1M 470K 470K 470K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1116 R1117 R1118 R1119 R1120	1-216-049-00 1-216-097-00 1-216-097-00 1-216-073-00 1-216-232-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 100K 100K 10K 27K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W	R1222 R1223 R1224 R1225 R1226	1-216-073-00 1-216-073-00 1-216-073-00 1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 10K 470K 470K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1121 R1122 R1123 R1124 R1125	1-216-081-00 1-216-158-00 1-216-158-00 1-216-089-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 22 22 47K 100K	5% 5% 5% 5%	1/10W 1/8W 1/8W 1/10W 1/10W	R1227 R1228 R1229 R1230 R1231	1-216-113-00 1-216-073-00 1-216-073-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 10K 10K 10K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1126 R1127 R1128 R1129 R1130	1-216-218-00 1-216-097-00 1-216-089-00 1-216-089-00 1-216-246-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 100K 47K 47K 100K	5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/8W	R1232 R1233 R1234 R1235 R1236	1-216-073-00 1-216-049-00 1-216-049-00 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 1K 1K 10K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1131 R1132 R1133 R1134 R1135	1-216-218-00 1-216-097-00 1-216-089-00 1-216-212-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 100K 47K 3.9K 22K	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/8W 1/10W	R1237 R1238 R1240 R1241 R1242	1-216-049-00 1-216-045-00 1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 680 100 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1136 R1137 R1138 R1139 R1140	1-216-081-00 1-216-095-00 1-216-097-00 1-216-005-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 82K 100K 15 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1245 R1246 R1247 R1251 R1252	1-216-073-00 1-216-073-00 1-216-073-00 1-216-089-91 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 10K 47K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1141 R1142 R1143 R1144 R1145	1-216-061-00 1-216-033-00 1-216-049-00 1-216-049-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 220 1K 1K 1O	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1253 R1254 R1255 R1256 R1257	1-216-089-91 1-216-065-00 1-216-089-91 1-216-065-00 1-216-089-91	METAL GLAZE	47K 4.7K 47K 4.7K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1146 R1147 R1148 R1149 R1150	1-216-049-00 1-216-045-00 1-216-049-00 1-216-001-00 1-216-045-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 680 1K 10 680	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1258 R1259 R1260 R1261 R1262	1-216-065-00 1-216-089-91 1-216-065-00 1-216-089-91 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 47K 4.7K 47K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1151 R1152 R1153 R1154 R1201	1-216-049-00 1-216-049-00 1-216-049-00 1-216-041-00 1-216-103-91	METAL GLAZE METAL GLAZE METAL GLAZE	1K 1K 1K 470 180K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1263 R1264 R1265 R1266 R1267	1-216-089-91 1-216-065-00	METAL GLAZE	47K 4.7K 47K 4.7K 47K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1202 R1203 R1204 R1205 R1206	1-216-107-00 1-216-073-00 1-216-083-00 1-216-103-91 1-216-107-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 27K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1268 R1269 R1270 R1271 R1272	1-216-089-91 1-216-065-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 47K 4.7K 100 100	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W





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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R1273 R1274 R1275	1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE 100 5%	1/10W 1/10W 1/10W	C226 C227	1-163-007-11 1-124-907-11	CERAMIC CHIP 680PF ELECT 10MF	10% 20%	50V 50V
R1276 R1277	1-216-025-00 1-216-025-00	METAL GLAZE 100 5%	1/10W 1/10W	C228 C229 C230	1-124-907-11 1-124-478-11 1-124-478-11	ELECT 100MF	20% 20% 20%	50V 25V 25V
	< CRY	'STAL >		C231 C232		CERAMIC CHIP 1MF CERAMIC CHIP 0.001MF	10%	16V 50V
X1101 X1102 X1201	1-579-283-11 1-579-282-21	VIBRATOR, CRYSTAL (KV VIBRATOR, CRYSTAL VIBRATOR, CRYSTAL OSCILLATOR, CRYSTAL (KV	-S3432U/S3433E) (KV-S3432U) (KV-S3433E) -S3432U/S3433E)	C233 C234 C235	1-164-161-11 1-130-772-00		10% 10% 5% 20%	50V 50V 63V 35V
*****	*********	********	******	C236 C237	1-124-618-11 1-124-618-11		20%	35V
	*A-1632-205-A	A BOARD, COMPLETE (KV-S	3431A/S3431D/ 1K)	C238 C239 C240	1-164-161-11 1-130-772-00 1-124-916-11		10% 5% 20%	50V 63V 50V
	*A-1632-206-A	A BOARD, COMPLETE (KV-S	3431B)	C241 C242	1-124-916-11 1-124-903-11	ELECT 22MF	20% 20%	50V 50V
	*A-1632-208-A	A BOARD, COMPLETE (KV-S	3433E)	C244 C248	1-163-185-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 150PF CERAMIC CHIP 330PF	10% 5% 5%	50V 50V 50V
	*A-1632-210-A	A BOARD, COMPLETE (KV-S	3432U)	C249 C251 C254	1-124-282-00		20% 5%	16V 50V
		HOLDER, IC SPACER, INSULATING RIVET NYLON, 3.5		C255 C256 C257 C299	1-163-133-00 1-163-133-00 1-164-337-11	CERAMIC CHIP 470PF CERAMIC CHIP 470PF CERAMIC CHIP 470PF CERAMIC CHIP 2.2MF	5% 5% 5%	50V 50V 50V 16V
	< CAF	PACITOR >		C301	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C071 C072 C074 C102 C103	1-126-103-11	ELECT 220MF CERAMIC CHIP 220PF	20% 16V 20% 16V 10% 50V 20% 16V 50V	C302 C303 C304 C305 C306	1-164-337-11 1-164-004-11 1-163-096-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 2.2MF CERAMIC CHIP 0.1MF CERAMIC CHIP 13PF CERAMIC CHIP 15PF	10% 5% 5%	25V 16V 25V 50V 50V
C104 C105 C106 C110 C120	1-124-477-11 1-124-916-11 1-124-927-11 1-124-478-11 1-163-031-11	ELECT 22MF ELECT 4.7MF	20% 16V 20% 50V 20% 50V 20% 25V 50V	C307 C308 C309 C310 C311	1-163-809-11 1-164-004-11 1-163-038-00	CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	10% 10% 10%	50V 25V 25V 25V 25V
C201 C202 C203 C204 C205		FILM 0.033MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF	5% 50V 5% 50V 25V 25V 20% 50V	C312 C313 C314 C315 C316	1-163-038-00 1-124-477-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	20% 20%	16V 50V 25V 16V 50V
C206 C207 C208 C209 C210		FILM 0.0018MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF	10% 50V 2% 100V 25V 25V 25V	C317 C318 C319 C320 C321		CERAMIC CHIP 27PF CERAMIC CHIP 0.1MF	5% 5% 20%	50V 50V 25V 16V 25V
C213 C214 C215 C216 C217	1-163-023-00 1-163-809-11	CERAMIC CHIP 0.015MF CERAMIC CHIP 0.015MF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.047MF ELECT 2.2MF	10% 50V 10% 50V 10% 25V 10% 25V 20% 50V	C322 C323 C324 C325 C341	1-124-477-11 1-163-111-00	CERAMIC CHIP 560PF	20% 5% 20% 5% 10%	50V 50V 16V 50V 25V
C218 C219 C220 C221 C222			20% 50V 10% 50V 10% 50V 20% 50V 20% 50V	C342 C343 C344 C345 C346	1-162-638-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF	10% 10% 20%	25V 25V 16V 16V 50V
C223 C224 C225	1-136-177-00 1-136-177-00 1-164-182-11		5% 50V 5% 50V 10% 50V	C347 C348 C349	1-164-346-11	CERAMIC CHIP 1MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF		16V 16V 16V



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REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C350 C351	1-124-907-11 1-124-443-00		OMF 20%	50V 10V	CN0104 CN0105		PLUG, CONNECTOR 8P PIN, CONNECTOR 5P	
C353 C354		CERAMIC CHIP 1M CERAMIC CHIP 1M		16V 16V	CN0106 CN0107	*1-568-880-51 *1-568-879-11	PIN, CONNECTOR 5P PIN, CONNECTOR 4P	
C355	1-162-638-11	CERAMIC CHIP 1M	IF .	16V	CN0108		PIN, CONNECTOR 3P	
C356 C357		CERAMIC CHIP 0. CERAMIC CHIP 0.		16V 25V	CN0109 CN0110	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P PIN, CONNECTOR 7P	
C358 C359	1-164-299-11 1-124-907-11	CERAMIC CHIP 0. ELECT 10	22MF 10% MF 20%	25V 50V	CN0113 CN0114	1-695-298-11 *1-568-879-11	CONNECTOR, BOARD TO BOARD 40P PIN, CONNECTOR 4P	
C361	1-163-101-00	CERAMIC CHIP 22	PF 5%	50V	CN0115	*1-564-516-11	PLUG, CONNECTOR 13P	
C362 C363	1-130-772-00 1-124-907-11		22MF 5% MF 20%	63V 50V	CN0116 CN0119		PIN, CONNECTOR 4P PIN, CONNECTOR 4P	
C365	1-124-120-11	ELECT 22	OMF 20%	16V	CN0127	*1-564-509-11	PLUG, CONNECTOR 6P	
C366	1-124-903-11	ELECT 1M	IF 20%	50V	CN5108	*1-564-513-11	PLUG, CONNECTOR 10P	
C401 C402	1-104-792-51		MF 20%	16V 16V		< DIC	DE >	
C403	1-162-637-11	CERAMIC CHIP 0.	47MF	16V	D068	9_719_91/_//	DIODE DAP202K	
C411		CERAMIC CHIP 0.		25V	D069	8-719-914-44	DIODE DAP202K	
C412 C421	1-164-005-11 1-124-477-11	CERAMIC CHIP 0.	47MF MF 20%	25V 16V	D071 D073		DIODE RD5.6ESB2 DIODE RD5.6ESB2	
C422	1-124-477-11	ELECT 47	MF 20%	16V	D075	8-719-914-43		
C423	1-101-004-00	CERAMIC U.	01MF	50V	D077	8-719-914-43	DIODE DAN202K	
C424 C425		CERAMIC CHIP 33 CERAMIC CHIP 33		50V 50V	D078 D079	8-719-109-89 8-719-109-89		
C425	1-124-477-11	ELECT 47	MF 20%	16V	D101	8-719-109-89		
C427 C428		CERAMIC CHIP 1M CERAMIC CHIP 1M		16V 16V	D206	8-719-914-43	DIODE DAN202K	
C429					D207	8-719-921-89		
C574	1-124-119-00 1-163-117-00	CERAMIC CHIP 10	OMF 20% OPF 5%	16V 50V	D208 D209	8-719-901-33	DIODE 1SS133 DIODE 1SS133	
C575 C576		CERAMIC CHIP 0. CERAMIC CHIP 0.		25V 25V	D210 D211	8-719-901-33 8-719-901-33		
C581		CERAMIC CHIP 0.		50V				
C582	1-124-916-11	ELECT 22	MF 20%	50V	D212 D213		DIODE 1SS133 DIODE DAN202K	
C583 C585		CERAMIC CHIP 47	OPF 5%	50V	D214	8-719-914-42	DIODE DA204K	
C586	1-163-063-00	CERAMIC CHIP 0. CERAMIC CHIP 0.	022MF 10%	50V 50V	D215 D216	8-719-914-43	DIODE DAN202K (KV-S3431B) DIODE DAN202K (KV-S3431B)	
C587	1-124-903-11	ELECT 1M	F 20%	50V	D301	8-719-914-43	DIODE DAN202K	
C588		CERAMIC CHIP 1M		16V	D302	8-719-914-44	DIODE DAP202K	
C589 C590	1-124-478-11 1-124-916-11		OMF 20% MF 20%	25V 50V	D304 D305		DIODE RD5.6ESB2 DIODE DAN202K	
C591 C592	1-124-925-11	ELECT 2. CERAMIC CHIP 0.	2MF 20% 0047MF 10%	50V 50V	D306	8-719-914-43	DIODE DAN202K	
C593					D307		DIODE DAN202K	
C595		CERAMIC CHIP 0. CERAMIC CHIP 47		50V 50V	D308 D311	8-719-914-42 8-719-914-42		
C599 C644	1-164-232-11 1-124-916-11	CERAMIC CHIP 0.	01MF 10% MF 20%	50V 50V	D314 D381		DIODE DAN202K	
C681	1-124-478-11		OMF 20%	25V			DIODE DIODE RD7.5ESB2	
C682	1-126-516-11	ELECT 12	OMF 20%	16V	D401 D403		DIODE MTZJ-9.1 DIODE MTZJ-9.1	
C683 C685	1-124-478-11 1-124-478-11		OMF 20%	25V	D405	8-719-921-69	DIODE MTZJ-9.1	
C686		CERAMIC CHIP 0.	0MF 20% 1MF	25V 25V	D406 D407		DIODE MTZJ-9.1 DIODE MTZJ-9.1	
C687	1-124-916-11	ELECT 22	MF 20%	50V	D571	8-719-914-42	DTODE DA204K	
	< FII	TER >		!	D681	8-719-921-75	DIODE MTZJ-10B	
CF581	1-577-611-11	OSCILALTOR, CER	AMIC		D683		DIODE DAP202K	
	< CON	NECTOR >				< IC	>	
CN0001	*1-568-880-51	PIN, CONNECTOR	5P		IC072 IC201		IC ST24C16CB1 IC TDA6612-5 (KV-S3431A/S3431B/	
CN0102	1-573-296-11	CONNECTOR, BOAR	D TO BOARD 10P		10401		S3431D/S3433E/S3431K)	
CN0103	1-564-511-11	PLUG, CONNECTOR	8P			8-759-266-65	IC TDA6622-5 (KV-S3432U)	



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMAI
IC202	8-759-502-21	IC TDA2822M		Q312 Q313	8-729-900-53 8-729-216-22			
IC251	8-759-072-99			Q317	8-729-920-74			
IC261 IC301	8-759-072-99 8-759-189-90	IC TDA2052 IC TDA9145/N2B		Q401	8-729-920-74	TRANSISTOR 2SC	2412K-OR	
IC302	8-759-084-91	IC TDA4661/V2		Q402	8-729-920-74	TRANSISTOR 2SC	2412K-QR	
IC304	8-752-056-54	IC CXA1587S		Q403 Q404		TRANSISTOR 2SC TRANSISTOR 2SC		
IC401	8-752-068-46	IC CXA1855S (KV-S34 S3433E/S34	31A/S3431D/ 31K/S3432U)	Q581	8-729-920-74			
		IC CXA1545AS (KV-S3		Q582		TRANSISTOR 2SA TRANSISTOR 2SC		
IC402 IC681	8-759-073-00 8-759-072-98			Q583 Q610		TRANSISTOR 2SE		
		SPRING, IC (IC681)		Q681 Q682		TRANSISTOR 2SD		
IC684	8-759-701-59	IC NJM78M09FA		Q002	6-729-900-55	TRANSISTOR DIC	TIAUV	
IC685	8-759-510-52	IC TEA7605			< RES	SISTOR >		
	< IF	BLOCK >		JR102 JR104	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
IFB101	1-466-733-11	IF BLOCK (IFH-389)	(KV-S3431A/S3431D/	JR104 JR107	1-216-295-91	METAL GLAZE	0 5%	1/10W 1/10W
	1 466 725 11	IF BLOCK (IFH-389F)	S3433E/S3431K)	JR110 JR111	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
	1-466-734-11	IF BLOCK (IFH-395)	(KV-S3432U)					
	< COI	TT \		JR112 JR113	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
	\ C01			JR114	1-216-295-91	METAL GLAZE	0 5%	1/10W
L101	1-412-546-41			JR115	1-216-295-91		0 5% 0 5%	1/10W
L102 L201	1-408-413-00 1-407-500-00			JR116	1-216-295-91	METAL GLAZE	U 5%	1/10W
L306	1-408-405-00	INDUCTOR 4.7U	Н	JR117	1-216-295-91		0 5%	1/10W
L307	1-408-405-00	INDUCTOR 4.7U	H	JR118 JR119	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
L309	1-408-411-00	INDUCTOR 15UH		JR120	1-216-295-91	METAL GLAZE	0 5%	1/10W
L310 L575	1-410-396-41 1-408-397-00	FERRITE BEAD INDUCT INDUCTOR 1UH	OR 0.45UH	JR121	1-216-295-91	METAL GLAZE	0 5%	1/10W
L611	1-412-539-41	INDUCTOR 150U		JR122	1-216-295-91		0 5%	1/10W
L681	1-412-539-41	INDUCTOR 150U	H	JR123 JR124	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
	< IC	LINK >		JR125	1-216-295-91	METAL GLAZE	0 5%	1/10W
DOKA1 &	1_539_665_01	LINK, IC 0.4A (ICP-	w sa	JR126	1-216-295-91	METAL GLAZE	0 5%	1/10W
PS682 A	1-532-605-91	LINK, IC 0.4A (ICP-	N15)	JR127	1-216-295-91		0 5%	1/10W
	, mp z	ANSISTOR >		JR128 JR129	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
	\ 11 <i>Q</i>	ANDIDION >		JR130	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q071 Q101	8-729-901-05 8-729-216-22	TRANSISTOR DTA124EK TRANSISTOR 2SA1162-		JR131	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q102		TRANSISTOR DTC124EK		JR132	1-216-295-91		0 5%	1/10W
Q103 Q201	8-729-900-53 8-729-920-74			JR133 JR134	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
Q201	0-129-920-14	TRANSISION 25C2412N	- <i>Qn</i>	JR135	1-216-295-91		0 5%	1/10W
Q202 Q203	8-729-920-74 8-729-920-74	TRANSISTOR 2SC2412K TRANSISTOR 2SC2412K		JR136	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q203 Q204		TRANSISTOR 2SC2412A		JR137	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q205		TRANSISTOR 2SA1162-		JR138	1-216-296-91		0 5%	1/8W
Q206	8-729-216-22	TRANSISTOR 2SA1162-	G	JR139 JR140	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
Q207		TRANSISTOR 2SC2412K		JR141	1-216-295-91		0 5%	1/10W
Q209 Q210		TRANSISTOR 2SC2412K TRANSISTOR 2SC2412K		JR142	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q301	8-729-901-00	TRANSISTOR DTC124EK	-	JR143	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q302	8-729-216-22	TRANSISTOR 2SA1162-	G	JR144 JR149	1-216-295-91 1-216-295-91		0 5% 0 5%	1/10W 1/10W
Q303		TRANSISTOR 2SA1162-		JR150	1-216-295-91		0 5%	1/10W
Q304 Q305		TRANSISTOR DTC114EK TRANSISTOR DTC114EK		JR151	1-216-295-91	METAL GLAZE	0 5%	1/10W
Q306	8-729-216-22	TRANSISTOR 2SA1162-	G	JR152	1-216-296-91	METAL GLAZE	0 5%	1/8W
Q308	8-729-216-22	TRANSISTOR 2SA1162-	G	JR201 JR202	1-216-296-91 1-216-296-91		0 5% 0 5%	1/8W 1/8W
Q309	8-729-931-02	TRANSISTOR 2SC2413K	Q	JR202	1-216-296-91		0 5%	1/8W
Q311	8-729-901-06	TRANSISTOR DTA144EK						



REF.NO.	PART NO.	DESCRIPTIO	ON		REMARK	REF.NO.	PART NO.	DESCRIPTION	ON		F	REMARK
JR204	1-216-296-91	METAL GLAZE	0	5%	1/8W	R115	1-216-210-00	METAL GLAZE	3.3K	5%	1/8W	
JR205	1-216-296-91	METAL GLAZE	0	5%	1/8W	R201	1-216-653-11	METAL CHIP	1.2K	0.50%		
JR206	1-216-296-91	METAL GLAZE	0	5%	1/8W	R202	1-216-653-11	METAL CHIP	1.2K		1/10W	
JR207 JR208	1-216-296-91 1-216-296-91	METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W	R203	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
UR2U0	1-210-290-91	METAL GLAZE	U	3%	1/0%	R204	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
JR209	1-216-296-91	METAL GLAZE	0	5%	1/8W	R205	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
JR210	1-216-296-91	METAL GLAZE	0	5%	1/8W	R206	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
JR211	1-216-296-91	METAL GLAZE	0	5%	1/8W	R207	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
JR212 JR213	1-216-296-91 1-216-296-91	METAL GLAZE	0	5%	1/8W	R208	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
UK213	1-210-290-91	METAL GLAZE	U	5%	1/8W	R209	1-249-377-11	CARBON	0.47	5%	1/4W	r
JR214	1-216-296-91	METAL GLAZE	0	5%	1/8W	R210	1-247-734-11	CARBON	39	5%	1/2W	r
JR215	1-216-296-91	METAL GLAZE	0	5%	1/8W	R211	1-247-734-11	CARBON	39	5%	1/2W	
JR216	1-216-296-91	METAL GLAZE	0	5%	1/8W	R212	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
JR217 JR218	1-216-296-91 1-216-296-91	METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W	R213	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
UKZIO	1-210-290-91	METAL GLAZE	U	20	1/ OM	R214	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
JR219	1-216-296-91	METAL GLAZE	0	5%	1/8W	R215	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
JR220	1-216-296-91	METAL GLAZE	0	5%	1/8W	R216	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
JR221	1-216-296-91	METAL GLAZE	0	5%	1/8W	R217	1-216-045-00	METAL GLAZE	680	5%	1/10W	
JR222 JR223	1-216-296-91 1-216-296-91	METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W	R218	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
0.0223	1-210-290-91	METAL GLAZE	U	2%	1/ OM	R221	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
JR224	1-216-296-91	METAL GLAZE	0	5%	1/8W	R222	1-216-049-00	METAL GLAZE	1K	5%	1/10W	r
JR225	1-216-296-91	METAL GLAZE	0	5%	1/8W	R223	1-216-045-00	METAL GLAZE	680	5%	1/10W	
JR226	1-216-296-91	METAL GLAZE	0	5%	1/8W	R224	1-249-433-11	CARBON	22K	5%	1/4W	
JR227 JR228	1-216-296-91 1-216-296-91	METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W	R225	1-212-849-00	FUSIBLE	4.7	5%	1/4W 1	F
UKZZO	1-210-290-91	METAL GLAZE	U	2%	1/0W	R226	1-249-412-11	CARBON	390	5%	1/4W	
JR230	1-216-296-91	METAL GLAZE	0	5%	1/8W	R227	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
JR231	1-216-296-91	METAL GLAZE	0	5%	1/8W	R228	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
JR232	1-216-296-91	METAL GLAZE	0	5%	1/8W	R229	1-216-039-00	METAL GLAZE	390	5%	1/10W	
JR233 JR234	1-216-296-91	METAL GLAZE	0	5%	1/8W	R230	1-216-246-91	METAL GLAZE	100K	5%	1/8W	
0.00.04	1-216-296-91	METAL GLAZE	0	5%	1/8W	R231	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
JR235	1-216-296-91	METAL GLAZE	0	5%	1/8W	R232	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
JR236	1-216-296-91	METAL GLAZE	0	5%	1/8W	R233	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
JR237	1-216-296-91	METAL GLAZE	0	5%	1/8W	R234	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
JR238 JR240	1-216-296-91 1-216-296-91	METAL GLAZE METAL GLAZE	0 0	5% 5%	1/8W	R235	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
01.240	1-210-290-91	METAL GLAZE	U	5%	1/8W	R236	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
JR241	1-216-296-91	METAL GLAZE	0	5%	1/8W	R237	1-216-025-00	METAL GLAZE	100	5%	1/10W	
JR242	1-216-296-91	METAL GLAZE	0	5%	1/8W	R238	1-216-025-00	METAL GLAZE	100	5%	1/10W	
JR243	1-216-296-91	METAL GLAZE	0	5%	1/8W	R241	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
JR245 JR247	1-216-296-91 1-216-296-91	METAL GLAZE	0	5% 5%	1/8W 1/8W	R242	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W	
UKZ47	1-210-250-51	MEIAL GLAZE	U	5%	1/ OM	R244	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
JR248	1-216-296-91	METAL GLAZE	0	5%	1/8W	R245	1-216-089-91		47K	5%	1/10W	
JR250	1-216-296-91		0	5%	1/8W	R246	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
JR251	1-216-296-91		0	5%	1/8W	R247	1-216-073-00		10K	5%	1/10W	
JR252 JR253	1-216-296-91 1-216-296-91		0	5% 5%	1/8W 1/8W	R248	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
011255	1 210 230 31	METAD GDADE	U	J 70	1/011	R249	1-216-045-00	METAL GLAZE	680	5%	1/10W	
JR254	1-216-296-91	METAL GLAZE	0	5%	1/8W	R250	1-216-095-00		82K	5%	1/10W	
JR255	1-216-296-91		0	5%	1/8W	R251	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
JR271	1-216-295-91		0	5%	1/10W	R252	1-216-073-00	METAL GLAZE	10K		1/10W	
JR272	1-216-295-91	METAL GLAZE	0	5%	1/10W	R253	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R071	1-216-041-00	METAL GLAZE	470	5%	1/10W	R254	1-216-252-00	METAL GLAZE	180K	5%	1/8W	
R072	1-216-033-00		220	5%	1/10W	R255	1-216-252-00		180K	5%	1/8W	
R073	1-216-033-00		220	5%	1/10W	R256	1-249-409-11	CARBON	220		1/4W	
R074	1-216-198-91		1K	5%	1/8W	R257	1-249-409-11	CARBON	220		1/4W	
R076	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R258	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
R077	1-216-025-00	METAL GLAZE	100	5%	1/10W	R259	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R101	1-216-025-00	METAL GLAZE	100	5%	1/10W	R260	1-216-212-00	METAL GLAZE	3.9K		1/8W	
R102	1-216-049-00		1K	5%	1/10W	R295	1-216-295-91	METAL GLAZE	0	5%	1/10W	
R103 R105	1-216-059-00		2.7K	5%	1/10W	R296	1-216-037-00	METAL GLAZE	330		1/10W	
VIA	1-216-073-00	METAL GLAZE	10K	5%	1/10W					(KV-S3	#2TR)	
R108	1-216-230-00	METAL GLAZE	22K	5%	1/8W							
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REF.NO.	PART NO.	DESCRIPTION	<u> </u>	REMARK	REF.NO.	PART NO.	DESCRIPTIO	N		REMARK
R297	1-216-027-00	METAL GLAZE	(5% 1/10W (KV-S3431B)	R370 R371	1-216-033-00 1-216-033-00	METAL GLAZE	220 220	5% 5%	1/10W 1/10W
R301 R302 R303	1-216-041-00 1-216-041-00 1-216-174-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 5	5% 1/10W 5% 1/10W 5% 1/8W	R373 R376 R377	1-216-017-00 1-216-065-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE	47 4.7K 1.2K	5% 5% 5%	1/10W 1/10W 1/10W
R304 R305 R306	1-216-174-00 1-216-035-00 1-216-035-00	METAL GLAZE METAL GLAZE METAL GLAZE	270 5	5% 1/8W 5% 1/10W 5% 1/10W	R378 R379 R380	1-216-057-00 1-216-206-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 2.2K 2.2K	5% 5% 5%	1/10W 1/8W 1/10W
R307 R308	1-216-075-00 1-216-121-00	METAL GLAZE	12K 5	5% 1/10W 5% 1/10W	R381 R382	1-216-164-00 1-216-164-00	METAL GLAZE METAL GLAZE	39 39	5% 5%	1/8W 1/8W
R309 R310 R311 R312	1-216-001-00 1-216-001-00 1-216-065-00 1-249-413-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON	10 5 4.7K 5 470 5	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/4W	R383 R384 R391 R392	1-216-164-00 1-216-025-00 1-216-069-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	39 100 6.8K 3.3K	5% 5% 5%	1/8W 1/10W 1/10W 1/10W
R313 R314	1-216-081-00 1-249-409-11	METAL GLAZE CARBON	220 5	5% 1/10W 5% 1/4W	R393 R394	1-216-073-00 1-216-081-00	METAL GLAZE	10K 22K	5% 5%	1/10W 1/10W
R315 R316 R317 R318	1-249-409-11 1-216-085-00 1-216-073-00 1-216-041-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE	33K 5	5% 1/4W 5% 1/10W 5% 1/10W 5% 1/10W	R395 R396 R401 R402	1-216-091-00 1-216-081-00 1-216-171-00 1-216-158-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 22K 75 22	5% 5% 5% 5%	1/10W 1/10W 1/8W 1/8W
R319 R320 R321 R322 R324	1-249-413-11 1-216-174-00 1-216-039-00 1-216-041-00 1-216-049-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5 390 5 470 5	5% 1/4W 5% 1/8W 5% 1/10W 5% 1/10W 5% 1/10W	R403 R404 R405 R406 R407	1-216-025-00 1-216-158-00 1-216-025-00 1-216-158-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 22 100 22 100	5% 5% 5% 5% 5%	1/10W 1/8W 1/10W 1/8W 1/10W
R325 R326 R328 R329 R330	1-216-041-00 1-216-073-00 1-216-025-00 1-216-023-00 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5 100 5 82 5	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	R408 R410 R411 R412 R413	1-216-093-00 1-216-067-00 1-216-067-00 1-216-022-00 1-216-022-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68K 5.6K 5.6K 75 75	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R331 R333 R334 R336 R337	1-216-097-00 1-216-182-00 1-216-182-00 1-216-029-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 5 220 5 150 5	5% 1/10W 5% 1/8W 5% 1/8W 5% 1/10W 5% 1/10W	R414 R416 R417 R419 R420	1-216-022-00 1-216-113-00 1-216-067-00 1-216-113-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	75 470K 5.6K 470K 5.6K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R338 R339 R340 R341 R342	1-216-035-00 1-216-025-00 1-216-025-00 1-216-025-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5 100 5 100 5	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	R423 R424 R425 R426 R427	1-216-015-00 1-216-025-00 1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	39 100 100 100 100	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R343 R344 R345 R346 R347	1-216-022-00 1-216-022-00 1-216-171-00 1-216-022-00 1-216-083-00	METAL GLAZE	75 5 75 5 75 5	5% 1/10W 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W	R428 R572 R574 R575 R577	1-249-393-11 1-216-198-91 1-216-041-00 1-216-186-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE	10 1K 470 330 82K	5% 5% 5% 5% 5%	1/4W F 1/8W 1/10W 1/8W 1/10W
R351 R352 R354 R355 R356	1-216-073-00 1-216-033-00 1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 5 220 5 220 5	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	R578 R580 R581 R582 R583	1-216-238-91 1-216-651-11 1-216-033-00 1-216-037-00 1-216-053-00	METAL CHIP METAL GLAZE METAL GLAZE	47K 1K 220 330 1.5K	5% 0.50% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W
R357 R358 R359 R360 R361	1-216-041-00 1-216-031-00 1-216-033-00 1-216-033-00 1-216-033-00	METAL GLAZE	180 5 220 5 220 5	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	R584 R585 R586 R587 R588	1-216-039-00 1-216-067-00 1-216-047-00 1-216-047-00 1-216-101-00	METAL GLAZE METAL GLAZE	390 5.6K 820 820 150K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R362 R365 R367 R368 R369	1-216-077-00 1-216-073-00 1-216-296-91 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 5 0 5 220 5	5% 1/10W 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W	R589 R590 R591 R592 R593	1-216-073-00 1-216-049-00 1-216-073-00 1-216-232-00 1-216-673-11	METAL GLAZE METAL GLAZE METAL GLAZE	10K 1K 10K 27K 8.2K	5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/8W 1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R594 R595 R596	1-216-663-11 1-216-643-11 1-216-067-00	METAL CHIP 470 C METAL GLAZE 5.6K 5		C161 C162		CERAMIC CHIP 0.22MF	5%	50V 25V
R597 R598	1-216-230-00 1-216-053-00	METAL GLAZE 1.5K 5		C163 C164 C165	1-163-141-00 1-164-232-11	CERAMIC CHIP 1MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01F	5% 10%	16V 50V 50V
R600 R616 R619 R628	1-216-174-00 1-216-184-00 1-216-077-00 1-249-413-11	METAL GLAZE 270 5 METAL GLAZE 15K 5	% 1/8W % 1/8W % 1/10W % 1/4W	C166 C167 C168	1-124-477-11 1-163-213-00 1-164-346-11	CERAMIC CHIP 0.0022MF	20% 5%	16V 50V
R632 R681	1-216-065-00	METAL GLAZE 4.7K 5	% 1/10W % 3W F	C170 C171 C173	1-104-346-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT 47MF ELECT 47MF	20% 20% 20%	16V 16V 16V 16V
R682	1-249-415-11	CARBON 680 5	% 1/4W	02 /0			200	101
R683 R2219	1-216-073-00 1-216-174-00		% 1/10W % 1/8W		< FII	JTER >		
R2220	1-216-174-00		% 1/8W	CF2 CF3		FILTER, CERAMIC FILTER, CERAMIC		
R2221 R2222	1-216-174-00 1-216-174-00		% 1/8W % 1/8W	CF4		FILTER, CERAMIC		
	< TUN	IER >		SWF1	1-579-658-11	FILTER, SAWTOOTH WAVE		
TU101	1-693-185-11	TUNER (UV916H) (KV-S3	431A/S3431B/			INECTOR >		
	1-693-184-11	\$3431D/\$3 TUNER (U944C) (KV-\$34	433E/S3431K) 32U)	CN1 CN2	1-750-173-11 1-750-173-11	PIN, CONNECTOR (PC BOARD PIN, CONNECTOR (PC BOARD	O) 10P O) 10P	
	< CRY	STAL >			< TRI	MMER >		
X301 X302		OSCILLATOR, CRYSTAL OSCILLATOR, CRYSTAL		CT1	1-404-801-11	TRAP, CERAMIC		
******	*****	*******	*****		< DIC	DE >		
	1-466-733-11	IF BLOCK (IFH-389) (K	V-934312/93431D/	D161	8-719-400-18	DIODE MA152WK		
	1 400 /33 11		3433E/S3431K)		< IC	>		
	< CAP	ACITOR >		IC1	8-759-070-76			
C101 C102		CERAMIC CHIP 150PF CERAMIC CHIP 0.22MF	5% 50V	IC2 IC3	8-759-070-71 8-759-514-54			
C103	1-164-232-11	CERAMIC CHIP 0.01MF	25V 10% 50V		< COI	L >		
C104 C105		CERAMIC CHIP 0.01F CERAMIC CHIP 0.1MF	10% 50V 10% 25V	L101	1-408-421-00			
C106	1-124-477-11		20% 16V	L102 L103	1-408-419-00 1-408-419-00	INDUCTOR 68UH		
C107 C108		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	10% 25V 10% 25V	L104 L121	1-408-408-00 1-408-413-00			
C109 C112		CERAMIC CHIP 0.01F CERAMIC CHIP 0.1MF	10% 50V 10% 25V	L122	1-408-420-00			
C113	1-164-101-00	CERAMIC CHIP 22PF	5% 50V	L142 L151	1-408-790-00 1-408-419-00	INDUCTOR 0.56UH		
C114 C115	1-124-477-11		20% 16V 10% 50V	L161	1-408-419-00			
C116 C118	1-164-346-11	CERAMIC CHIP 0.01F CERAMIC CHIP 1MF CERAMIC CHIP 0.1MF	16V		< TRA	NSISTOR >		
C119				Q101		TRANSISTOR 2SC2412K-QR		
C121	1-163-235-11	CERAMIC CHIP 47PFF CERAMOC CHIP 22PF	5% 25V 5% 50V	Q102 Q121	8-729-920-74	TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-QR		
C122 C123		CERAMIC CHIP 33PF CERAMIC CHIP 22PF	5% 50V 5% 50V	Q122 Q161		TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		
C124		CERAMIC CHIP 0.1MF	10% 25V	Q170		TRANSISTOR 2SC2412K-QR		
C130 C131	1-216-295-00 1-163-093-00	METAL GLAZE 0 CERAMIC CHIP 10PF	5% 1/10W 5% 50V	Q171 Q172	8-729-920-74	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SC2412K-QR		
C133 C152	1-124-477-11		20% 16V 16V	Q173	8-729-920-74	TRANSISTOR 2SC2412K-QR		
C153		CERAMIC CHIP 2.2MF	16V 16V		< RES	ISTOR >		
C154 C155	1-164-337-11	CERAMIC CHIP 2.2MF CERAMIC CHIP 0.01F	16V 10% 50V	JR2 JR3	1-216-295-00		1/10W	
C156	1-124-477-11		20% 16V	JR3 JR4	1-216-296-00 1-216-295-00		1/8W 1/10W	

IF(KV-S3431B)
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REF.NO.	PART NO.	DESCRIPTIO	IN		REMARK	REF.NO.	PART NO.	DESCRIPTIO	<u>N</u>		REMARK
JR7 JR8	1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0	5% 5%	1/10W 1/10W	R163 R164 R165	1-216-113-00 1-216-113-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 5% 470K 5% 22K 5%	1/10 1/10 1/10	N
JR9	1-216-296-00	METAL GLAZE	0	5%	1/8W	R166	1-216-049-00	METAL GLAZE	1K 5%	1/10	Ň
JR11 JR14	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 5%	1/8W 1/8W	R167	1-216-073-00	METAL GLAZE	10K 5%	1/10	W
JR14 JR16	1-216-295-00	METAL GLAZE	0	5%	1/0W 1/10W	R168	1-216-113-00	METAL GLAZE	470K 5%	1/10	N
JR18	1-216-295-00	METAL GLAZE	Ō	5%	1/10W	R169	1-216-049-00	METAL GLAZE	1K 5%	1/10	
TD10	1 016 006 00	a	^	F0.	1 /077	R170	1-216-083-00	METAL GLAZE	27K 5%	1/10	
JR19 JR20	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 0	5% 5%	1/8W 1/8W	R171 R172	1-216-075-00 1-216-095-00	METAL GLAZE METAL GLAZE	12K 5% 82K 5%	1/101 1/101	
JR21	1-216-296-00	METAL GLAZE	Ö	5%	1/8W	111,1	1 210 055 00	1121112 021122	021 . 3 0	1,10	•
JR23	1-216-296-00	METAL GLAZE	0	5%	1/8W	R173	1-216-059-00	METAL GLAZE	2.7K 5%	1/10	
JR24	1-216-296-00	METAL GLAZE	0	5%	1/8W	R174 R175	1-216-057-00 1-216-083-00	METAL GLAZE METAL GLAZE	2.2K 5% 27K 5%	1/10 1/10	
JR25	1-216-296-00	METAL GLAZE	0	5%	1/8W	R176	1-216-075-00	METAL GLAZE	12K 5%	1/10	
JR29	1-216-296-00	METAL GLAZE	0	5%	1/8W	R177	1-216-095-00	METAL GLAZE	82K 5%	1/10	Ň
JR30 JR33	1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 0	5% 5%	1/10W 1/10W	R178	1-216-059-00	METAL GLAZE	2.7K 5%	1/10	W
JR38	1-216-296-00	METAL GLAZE	Ö	5%	1/8W	R179	1-216-057-00	METAL GLAZE	2.2K 5%	1/10	
					4 / 0	R180	1-216-037-00	METAL GLAZE	330 5%	1/10	
JR39 JR40	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 0	5% 5%	1/8W 1/8	R181	1-216-037-00	METAL GLAZE	330 5%	1/10	N
R101	1-216-075-00	METAL GLAZE	12K	5%	1/10W		< VAF	RIABLE RESISTOR	? >		
R102	1-216-073-00	METAL GLAZE	10K	5%	1/10W	RV1	1-241-121-11	RES, ADJ, CAF	RBON 4.7K		
R103 R104	1-216-057-00 1-216-051-00	METAL GLAZE METAL GLAZE	2.2K 1.2K	5% 5%	1/10W 1/10W		< mr.2	INSFORMER >			
R106	1-216-049-00	METAL GLAZE	1K	5%	1/10W			and ordinan			
D107	1 016 065 00		4 77	F 0.	1 /1 000	T4	1-416-017-21				
R107 R108	1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE	4.7K 4.7K	5% 5%	1/10W 1/10W	Т5	1-416-018-21	COIL			
R110	1-216-041-00	METAL GLAZE	470	5%	1/10W	******	*******	******	*******	*****	******
R113 R114	1-216-031-00	METAL GLAZE	180	5%	1/10W		1 466 735 11	TE DIOOK /TEN	7 2005) /277	#2421D	
	1-216-049-00	METAL GLAZE	1K	5%	1/10W		1-466-735-11	IF BLOCK (IFF		-53431B)
R115 R116	1-216-027-00	METAL GLAZE	120	5% 5%	1/10W		. 017	A CITTOD .			
R117	1-216-101-00 1-216-097-00	METAL GLAZE METAL GLAZE	150K 100K	5%	1/10W 1/10W		₹ CAF	ACITOR >			
R118	1-216-117-00	METAL GLAZE	680K	5%	1/10W	C1	1-163-017-00			10%	50V
R119	1-216-240-00	METAL GLAZE	56K	5%	1/8W	C2 C3	1-164-232-11 1-124-903-11	CERAMIC CHIP	0.01MF 1MF	10% 20%	50V 50V
R120	1-216-075-00	METAL GLAZE	12K	5%	1/10W	C4	1-164-232-11	CERAMIC CHIP		10%	50V 50V
R121	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	C5	1-164-232-11	CERAMIC CHIP		10%	50V
R122 R123	1-216-061-00 1-216-075-00	METAL GLAZE METAL GLAZE	3.3K 12K	5% 5%	1/10W 1/10W	C6	1-163-017-00	CERAMIC CHIP	0 0047MB	10%	50V
R124	1-216-041-00		470	5%	1/10W 1/10W	C7	1-164-232-11	CERAMIC CHIP		10%	50V
						C8	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
R125 R127	1-216-041-00 1-216-047-00		470 820	5% 5%	1/10W 1/10W	C9 C10	1-124-916-11 1-164-232-11	ELECT CERAMIC CHIP	22MF	20% 10%	25V 50V
R130	1-216-047-00		1K	5%	1/10W	CIU	1-104-252-11	CERAMIC CHIF	o.oim	10.0	304
R131	1-216-025-00		100	5%	1/10W	C11	1-124-477-11	ELECT	47MF	20%	16V
R132	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	C13 C14	1-163-059-00 1-124-477-11	CERAMIC CHIP	0.01MF 47MF	10% 20%	50V 16V
R133	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	C15	1-124-903-11		1MF	20%	50V
R134	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C16	1-163-061-00	CERAMIC CHIP	0.015MF	10%	50V
R135 R150	1-216-198-00 1-216-043-00		1K 560	5% 5%	1/8W 1/10W	C17	1-162-638-11	CERAMIC CHIP	1 M F		16V
R151	1-216-043-00		560	5%	1/10W	C18	1-162-638-11				16V
D4 50						C19	1-163-141-00			5%	50V
R152 R153	1-216-043-00 1-216-025-00		560 100	5% 5%	1/10W 1/10W	C20 C21	1-124-902-00 1-124-903-11		0.47MF 1MF	20% 20%	50V 50V
R154	1-216-049-00		1K	5%	1/10W	CZI	1-124-703 11	BEECT	IM	20.0	301
R155	1-216-051-00		1.2K	5%	1/10W	C22	1-164-232-11			10%	50V
R156	1-216-083-00	METAL GLAZE	27K	5%	1/10W	C23 C24	1-124-902-00 1-164-506-11		0.47MF	20%	50V 16V
R157	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	C25	1-104-306-11		4.7MF	20%	16V
R159	1-216-107-00	METAL GLAZE	270K	5%	1/10W	C26	1-164-232-11	CERAMIC CHIP		10%	50V
R160 R161	1-216-049-00 1-216-755-11		1K 130 K	5% 0.50%	1/10W 5 1/10W	C27	1-164-232-11	CERAMIC CHIP	በ በ1Μሞ	10%	50V
R162	1-216-073-00		10K	5%	1/10W	C28	1-124-477-11		47MF	20%	16V
						C33	1-124-907-11	ELECT	10MF	20%	50V

(KV-S3431B)

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTI	ON		REMARK
C34 C35	1-124-907-11 1-124-925-11			20% 20%	50V 50V	L3 L4 L5	1-408-407-00 1-408-419-00 1-408-419-00	INDUCTOR	6.8UH 68UH 68UH		
C36 C37 C38 C40 C71	1-163-017-00	CERAMIC CHIP 0 CERAMIC CHIP 0 CERAMIC CHIP 0	.01MF .0047MF .01MF	20% 10% 10% 10% 20%	16V 50V 50V 50V 16V	L7 L9 L71 L101 L121	1-408-406-00 1-408-419-00 1-408-419-00 1-408-399-00 1-408-407-00	INDUCTOR INDUCTOR INDUCTOR	5.6UH 68UH 68UH 1.5UH 6.8UH		
C72 C80	1-124-477-11		7MF	10% 20%	50V 16V			NSISTOR >			
C83 C84 C85	1-124-477-11 1-124-477-11 1-124-477-11	ELECT 4'	7MF	20% 20% 20%	16V 16V 16V	Q1 Q4 Q5	8-729-907-06 8-729-920-74 8-729-115-10	TRANSISTOR 2	2SC2412K	-QR	
C86 C87 C91 C95			7MF 2PF	20% 20% 5%	16V 16V 50V 16V	Q6 Q7 Q8	8-729-900-52 8-729-216-22 8-729-920-74	TRANSISTOR 1	OTC114YK 2SA1162-	G	
C101 C102	1-163-017-00	CERAMIC CHIP 0 CERAMIC CHIP 0	.0047MF	10% 10%	50V	Q10 Q11 Q12	8-729-920-74 8-729-920-74 8-729-920-74	TRANSISTOR :	2SC2412K 2SC2412K	-QR -QR	
C104 C105 C106 C119	1-163-017-00 1-163-017-00	CERAMIC CHIP 0 CERAMIC CHIP 0 CERAMIC CHIP 0	.0047MF .0047MF .0047MF	10% 10% 10% 10%	50V 50V 50V 25V	Q12 Q13 Q14 Q15	8-729-920-74 8-729-920-74 8-729-920-74	TRANSISTOR 2	2SC2412K 2SC2412K	-QR -QR	
C121 C122 C131	1-126-176-11	ELECT 2: CERAMIC CHIP 1:	20MF 20PF	20% 5% 20%	10V 50V 35V	Q16 Q101 Q121	8-729-216-22 8-729-104-80 8-729-920-74	TRANSISTOR 2	SA1162- SC3355	G	
0.00		TER >		•••		< RES	ISTOR >				
CF1 CF2 CF3	1-567-569-11	FILTER, CERAMION FILTER	C			JR2 JR3 JR5	1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE	0 0 0	5% 5% 5%	1/10W 1/8W 1/8W
CF4 SWF1 SWF3	1-567-570-11	FILTER, CERAMI	C			R1 R2 R3 R4	1-216-025-00 1-216-065-00 1-216-065-00 1-216-041-00	METAL GLAZE METAL GLAZE	100 4.7K 4.7K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
SWF4		FILTER, SAWTOO	TH WAVE			R5	1-216-021-00		68	5%	1/10W
CN1 CN2	1-750-173-11	NECTOR > PIN, CONNECTOR PIN, CONNECTOR				R6 R8 R9 R10	1-216-055-00 1-216-051-00 1-216-069-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.8K 1.2K 6.8K 8.2K		1/10W 1/10W 1/10W 1/10W
	< TR	IMMER >				R11 R24	1-216-059-00 1-216-280-00		2.7K 2.7M		1/10W 1/8W
CT1 CT2	1-409-429-11	TRAP, CERAMIC TRAP, CERAMIC				R25 R26 R27	1-216-057-00 1-216-061-00 1-216-266-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 3.3K 680K	5% 5% 5%	1/10W 1/10W 1/8W
CV1 CV1 CV3	1-141-245-00	CAP, TRIMMER CAP, TRIMMER TRIMMER, CERAM	IC			R28 R29 R30	1-216-075-00 1-216-035-00 1-216-049-00	METAL GLAZE	12K 270 IK	5% 5% 5%	1/10W 1/10W 1/10W
	< DIC	DDE >				R31 R32	1-216-017-00 1-216-043-00	METAL GLAZE	47 560	5% 5%	1/10W 1/10W
D7 D8 D9	8-719-421-57	DIODE MA73-TX DIODE MA73-TX DIODE MA73-TX				R33	1-216-037-00	METAL GLAZE	330 180K	5% 5%	1/10W 1/8W
IC1	< IC 8-759-070-75					R35 R36 R37 R38	1-216-035-00 1-216-029-00 1-216-049-00 1-216-099-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270 150 IK 120K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
IC2 IC3	8-759-070-71 8-759-979-62	IC TDA9820				R39 R40	1-216-089-00 1-216-049-00	METAL GLAZE METAL GLAZE	47K IK	5% 5%	1/10W 1/10W
	< CO1					R42 R43	1-216-061-00 1-216-067-00	METAL GLAZE METAL GLAZE	3.3K 5.6K	5% 5%	1/10W 1/10W
L1 L2	1-408-419-00 1-408-419-00		UH UH			R44	1-216-027-00	METAL GLAZE	120	5%	1/10W

||F(KV-S3431B)

IF	(KV-S3432U)	
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REF.NO.	PART NO.	DESCRIPTIO	ON		REMARK	REF.NO.	PART NO.	DESCRIPTI	ON		REMARK
R45	1-216-041-00	METAL GLAZE	470	5%	1/10W	I	< VAR	IABLE RESISTOR	2 5		
R46	1-216-031-00		180	5%	1/10W		VAII.	IADDE RESISTOR	. /		
R47	1-216-075-00		12K	5%	1/10W	RV2	1-241-120-11	RES, ADJ, CA	ARBON 2.2K		
R48	1-216-081-00		22K	5%	1/10W						
R49	1-216-049-00	METAL GLAZE	IK	5%	1/10W		< TR	ANSFORMER >			
R53	1-216-082-00	METAL GLAZE	24K	5%	1/10W	T1	1-404-806-21	COIL			
R54	1-216-043-00		560	5%	1/10W	Т3	1-416-012-11				
R55	1-216-043-00		560	5%	1/10W	T4	1-416-012-11				
R56 R57	1-216-065-00 1-216-065-00		4.7K 4.7K		1/10W 1/10W	Т5	1-402-720-11	COIL			
KJ /	1-210-003-00	MEIAU GUAZE	4.11	J10	1/10W		< CR	YSTAL >			
R58	1-216-041-00		470	5%	1/10W						
R59	1-216-043-00		560	5%	1/10W	X1	1-579-648-21	VIBRATOR, CE	RAMIC		
R60 R61	1-216-043-00 1-216-295-00		560 0	5% 5%	1/10W 1/10W		******				
R63	1-216-043-00	METAL GLAZE	560	5%	1/10W 1/10W						
				•	1,10	1	1-466-734-11 I	F BLOCK (IFH-3	395) (KV-S34	32U)	
R71	1-216-079-00		18K	5%	1/10W		*:	******	***	•	
R72	1-216-079-00	METAL GLAZE	18K	5%	1/10W						
R73 R74	1-216-049-00 1-216-079-00	METAL GLAZE METAL GLAZE	1K 18K	5% 5%	1/10W 1/10W		< CAI	PACITOR >			
R75	1-216-079-00	METAL GLAZE	18K	5% 5%	1/10W 1/10W	C101	1-163-239-11	CERAMIC CHIP	330#	5%	50V
•.,, •	1 210 075 00		2011		2/ 2011	C102	1-164-222-11			3.0	25V
R76	1-216-025-00	METAL GLAZE	100	5%	1/10W	C103	1-164-232-11			10%	50V
R77	1-216-174-00		100	5%	1/8W	C104	1-164-232-11			10%	50V
R81 R82	1-216-095-00	METAL GLAZE	82K	5% 5%	1/10W	C105	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R83	1-216-121-00 1-216-025-00	METAL GLAZE METAL GLAZE	1M 100	5% 5%	1/10W 1/10W	C106	1-124-477-11	ELECT	47MF	20%	16V
1100	1 210 025 00	MDIND OBNOD	100	J.0	1,1011	C107	1-164-004-11			10%	25V
R84	1-216-085-00	METAL GLAZE	33K	5%	1/10W	C108	1-164-004-11			10%	25V
R85	1-216-085-00	METAL GLAZE	33K	5%	1/10W	C109	1-164-232-11			10%	50V
R86 R87	1-216-689-00	METAL GLAZE	39K	5%	1/10W	C112	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R88	1-216-095-00 1-216-095-00	METAL GLAZE METAL GLAZE	82K 82K	5% 5%	1/10W 1/10W	C113	1-164-101-00	CERAMIC CHIP	2205	5%	50V
1.00	1 210-095-00	METAD GUAZE	021	J 10	1/1011	C113	1-124-477-11		47MF	20%	16V
R89	1-216-095-00	METAL GLAZE	82K	5%	1/10W	C115	1-164-232-11	CERAMIC CHIP		10%	50V
R90	1-216-075-00	METAL GLAZE	12K	5%	1/10W	C116	1-164-346-11				16V
R91	1-216-295-00	METAL GLAZE	0	5%	1/10W	C118	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R92 R93	1-216-075-00 1-216-075-00	METAL GLAZE METAL GLAZE	12K 12K	5% 5%	1/10W 1/10W	C119	1-163-369-11	CERAMIC CHIP	470FF	5%	25V
11.55	1 210 075 00	MITAL GLADE	121	3.0	1/1011	C122	1-163-093-11			5% 5%	50V
R94	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	C130	1-216-295-00	METAL GLAZE	0 5%		
R95	1-216-059-00	METAL GLAZE	2.7K		1/10W	C131	1-163-224-11	CERAMIC CHIP		0.25PE	
R96	1-216-059-00	METAL GLAZE	2.7K		1/10W	C133	1-124-477-11	ELECT	47MF	20%	16V
R97 R98	1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE	2.2K 2.2K		1/10W 1/10W	C161	1-164-117-00	CERAMIC CHIP	10000	5%	50V
11.50	1-210-037-00	MEIAU GUAZE	2.21	J*0	1/10N	C161		CERAMIC CHIP		J^0	25V
R99	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	C163	1-164-346-11				16V
R100	1-216-065-00		4.7K		1/10W	C164		CERAMIC CHIP		5%	50V
R102	1-216-065-00		4.7K		1/10W	C165	1-164-232-11	CERAMIC CHIP	0.01F	10%	50V
R103 R104	1-216-063-00 1-216-049-00		3.9K 1K	5% 5%	1/10W 1/10W	C166	1-124-477-11	ELECT	47MF	20%	16V
*****	T 210-043-00	WEIGH GRAVE	TIV	J10	1/1011	C166		CERAMIC CHIP		20% 5%	50V
R105	1-216-033-00	METAL GLAZE	220	5%	1/10W	C168		CERAMIC CHIP			16V
R121	1-216-073-00		10K	5%	1/10W	C170	1-124-477-11		47MF	20%	16V
R122	1-216-065-00		4.7K		1/10W	C171	1-124-477-11	ELECT	47MF	20%	16V
R123 R124	1-216-041-00 1-216-041-00		470 470	5% 5%	1/10W 1/10W	C173	1-124-477-11	מז סי די	47MF	20%	16V
VT24	1-210-041-00	METAL GLAZE	4/0	2%	1/10W	C1/3	1-124-4//-11	ELECT	4/Mr	20%	101
R125	1-216-041-00		470	5%	1/10W		< FII	TER >			
R301 R302	1-216-049-00		1K	5%	1/10W	OD1	1 570 657 01	DI GODINANI CO	ח מפונים ח		
R302 R303	1-216-049-00 1-216-049-00		1K 1K	5% 5%	1/10W 1/10W	CD1	1-5/9-65/-21	DISCRIMINATO	K, CERAMIC		
R304	1-216-037-00		330	5%	1/10W 1/10W	CF1	1-567-569-11	FILTER, CERA	MIC		
								·			
R305 R306	1-216-049-00		1K	5%	1/10W	SWF1	1-579-659-11	FILTER, SAWT	OOTH WAVE		
R306 R307	1-216-025-00 1-216-037-00		100 330	5% 5%	1/10W 1/10W		∠ COX	NECTOR >			
R308	1-216-037-00		330	5%	1/10W		\ COI	mucron /			
	· · · · ·		-			CN1		PIN, CONNECTO			
						CN2	1-750-173-11	PIN, CONNECTO	OR (PC BOARI) 10P	

 F (KV-S3432U)	M2
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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	N		Ę	REMARK
	< TRI	MMER >		R102	1-216-045-00		680	5%	1/10W	
CT1	1-409-333-00	TRAP, CERAMIC (6.0MHZ)		R103 R104	1-216-057-00 1-216-051-00	METAL GLAZE		5%	1/10W 1/10W	
	< DIC	DDE >		R105	1-216-043-00		560	5%	1/10W	
D161	8-719-400-18	DIODE MA152WK		R106 R107	1-216-049-00 1-216-065-00		1K 4.7K	5% 5%	1/10W 1/10W	
	< IC	`		R108 R110	1-216-065-00 1-216-041-00		4.7K 470	5% 5%	1/10W 1/10W	
IC1	8-759-070-76			R112	1-216-045-00		680	5%	1/10W	
IC3	8-759-514-54			R113	1-216-031-00		180	5%	1/10W	
	< CO1	IL >		R114 R115	1-216-049-00 1-216-031-00	METAL GLAZE	1K 180	5% 5%	1/10W 1/10W	
L101	1-408-414-00	INDUCTOR 27UH		R116 R117	1-216-101-00 1-216-097-00		150K 100K		1/10W 1/10W	
L102 L103	1-408-419-00 1-408-419-00			R118	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
L104	1-408-406-00	INDUCTOR 5.6UH		R119	1-216-240-00	METAL GLAZE	56K	5%	1/8W	
L105	1-408-410-00	INDUCTOR 12UH		R120 R121	1-216-075-00 1-216-053-00		12K 1.5K	5% 5%	1/10W 1/10W	
L142	1-408-790-41			R121	1-216-053-00		3.3K		1/10W	
L161	1-408-419-00	INDUCTOR 68UH		R123	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
	< TRA	ANSISTOR >		R130	1-216-049-00		1K	5%	1/10W	
Q101	8-729-920-74	TRANSTSTOR 25C2412K-OR		R131 R132	1-216-025-00 1-216-069-00		100 6.8K	5% 5%	1/10W 1/10W	
Q102	8-729-216-22	TRANSISTOR 2SC2412K-QR TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-OR		R133	1-216-061-00	METAL GLAZE			1/10W	
Q122 Q161	8-729-216-22	TRANSISTOR 2SA1162-G		R134	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
Q172	8-729-920-74	TRANSISTOR 2SC2412K-QR		R135	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
0173	0 700 000 74	TRANSISTOR 2SC2412K-QR		R153	1-216-025-00		100	5%	1/10W	
Q173				R159 R160	1-216-107-00 1-216-049-00	METAL GLAZE METAL GLAZE	270K 1K	5% 5%	1/10W 1/10W	
	< RES	SISTOR >		R161	1-216-755-11	METAL CHIP	130K	0.50%	1/10W	
JR1		METAL GLAZE 0 5%		R162	1-216-073-00		10K	5%	1/10W	
JR2 JR3	1-216-295-00 1-216-296-00		1/10W 1/8W	R163 R164	1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE	470K 470K	5% 5%	1/10W 1/10W	
JR4	1-216-295-00	METAL GLAZE 0 5%	1/10W	R165	1-216-081-00		22K	5%	1/10W	
JR7	1-216-295-00	METAL GLAZE 0 5%	1/10W	R166	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
JR8	1-216-295-00	METAL GLAZE 0 5%		R167	1-216-073-00		10K	5%	1/10W	
JR9 JR10	1-216-296-00 1-216-296-00	METAL GLAZE 0 5% METAL GLAZE 0 5%		R168 R169	1-216-113-00 1-216-049-00		470K 1K	5% 5%	1/10W 1/10W	
JR11	1-216-296-00			R175	1-216-049-00		27K	5%	1/10W 1/10W	
JR12	1-216-296-00									
JR13	1-163-093-00	CERAMIC CHIP 10PF	5% 50V	R176 R177	1-216-075-00 1-216-095-00		12K 82K	5% 5%	1/10W 1/10W	
JR14	1-216-296-00		1/8W	R178	1-216-059-00			5%	1/10W	
JR16 JR18	1-216-295-00 1-216-295-00		1/10W 1/10W	R179 R181	1-216-057-00 1-216-037-00		2.2K 330	5% 5%	1/10W 1/10W	
JR19	1-216-296-00		1/8W	KIOI				J.0	1/1VN	
JR20	1-216-296-00	METAL GLAZE 0 5%	1/8W		< VAF	RIABLE RESISTOR	>			
JR21 JR23	1-216-296-00	METAL GLAZE 0 5%	1/8W	RV1	1-241-121-11	RES, ADJ, CAR	BON 4.7	7 K		
JR24	1-216-296-00 1-216-296-00		1/8W 1/8W		< TRA	NSFORMER >				
JR25	1-216-296-00	METAL GLAZE 0 5%	1/8W	T4	1-416-017-21	COTT				
JR29	1-216-296-00		1/8W	T5	1-416-018-21					
JR30 JR33	1-216-295-00 1-216-295-00		1/10W 1/10W	******	*****	******	*****	*****	*****	*****
JR38	1-216-296-00	METAL GLAZE 0 5%	1/8W		+3 163E 030 3	W2 D03DD (0W)	DI EME			
JR39	1-216-296-00		1/8W		"A-1033-UZU-A	M2 BOARD, COM				
JR40 JR41	1-216-296-00 1-216-295-00		1/8W 1/10W		< CAP	ACITOR >				
JR42	1-216-295-00	METAL GLAZE 0 5%	1/10W							
JR101	1-216-295-00	METAL GLAZE 0 5%	1/10W	C001		CERAMIC CHIP				50V
R101	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C004 C007		CERAMIC CHIP		!		25 V 50 V
R101	1-216-075-00	METAL GLAZE 12K 5%	1/10W	C004 C007		CERAMIC CHIP		!	5%	



The components identified by shading and marked ! are critical for safety.

Replace only with the part number specified.

1712												
REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTIO	N			REMARK
R016 R017 R018 R020	1-216-045-00 1-216-049-00 1-216-041-00 1-216-049-00	METAL GLAZE METAL GLAZE	680 59 1K 59 470 59 1K 59	% 1/ % 1/	110W 110W 110W 110W	R2017 R2018 R2019 R2020	1-216-081-00 1-216-081-00 1-216-081-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 22K		1/10W 1/10W 1/10W 1/10W	
R021 R025 R026 R027 R028	1-216-065-00 1-216-049-00 1-216-049-00 1-216-049-00 1-216-677-11	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 59 1K 59 1K 59 1K 59 12K 0	% 1/ % 1/	110W 110W 110W 110W 110W	R2021 R2022 R2023 R2025 R2026	1-216-057-00 1-216-033-00 1-216-025-00 1-216-063-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 100 3.9K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R030 R032 R033 R034 R035	1-216-049-00 1-216-049-00 1-216-049-00 1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5° 1K 5° 1K 5° 2.2K 5° 2.2K 5°	% 1/ % 1/ % 1/	110W 110W 110W 110W 110W	R2030 R2032 R2033 R2036 R2037	1-216-295-91 1-216-049-00 1-216-295-91 1-216-049-00 1-216-049-00	METAL GLAZE	1K 0 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R038 R049 R050 R051	1-216-073-00 1-216-049-00 1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE	10K 5' 1K 5' 10K 5' 22K 5'	% 1/ % 1/	/10W /10W /10W /10W	R2039 R2040	1-216-041-00 1-216-055-00	METAL GLAZE METAL GLAZE STAL >	470 1.8K	5% 5%	1/10W 1/10W	
R052	1-216-073-00		ZE 10K 5% 1/10W									
R053	1-216-065-00		4.7K 5		/10W	X2001	1-579-965-21	VIBRATOR, CRY				
R054 R055 R067 R068	1-216-081-00 1-216-081-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE		% 1/ % 1/	/10W /10W /10W /10W	*********	*A-1638-033-A		PLETE			
R069	1-216-037-00				/10W		< CAP	ACITOR >				
R071 R535 R536 R538	1-216-198-91 1-216-057-00 1-216-057-00 1-216-025-00	METAL GLAZE METAL GLAZE	2.2K 5	% 1/ % 1/	/8W /10W /10W /10W	C701 C703 C705 C708	1-162-114-00 1-123-946-00 1-162-116-00 1-163-197-00	CERAMIC ELECT CERAMIC CERAMIC CHIP	0.0047M 4.7MF 680PF 470PF	2 1	:0% .0% .0%	2KV 250V 2KV 50V
R539 R541 R542 R544 R545	1-216-657-11 1-216-049-00 1-216-025-00 1-216-085-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 5 33K 5	% 1/ % 1/ % 1/	/10W /10W /10W /10W /10W	C709 C710 C711 C712	1-163-005-11 1-163-005-11 1-101-880-00 1-163-121-00	CERAMIC CHIP	470PF 470PF 47PF	1 1 5	.0% .0% .%	50V 50V 50V 50V
R546	1-216-061-00	METAL GLAZE	3.3K 5	% 1/	/10W	C713 C714	1-163-121-00 1-163-121-00	CERAMIC CHIP CERAMIC CHIP	150PF	5	;% ;%	50V 50V
R547 R551 R552 R553	1-216-651-11 1-216-049-00 1-216-097-00 1-216-085-00	METAL GLAZE METAL GLAZE	1K 5	% 1/	/10W /10W /10W /10W	C716	1-124-478-11	ELECT	100MF	2	10%	25V
KJJJ	1-210-000-00	METAL GUAZE	227 2	10 1/	7 10W		CON	NECTOR >				
R559 R560 R564 R565	1-216-049-00 1-216-073-00 1-216-091-00 1-216-065-00	METAL GLAZE METAL GLAZE	10K 5 56K 5	% 1/ % 1/	/10W /10W /10W /10W	CN0002 CN0403 CN0421	1-564-511-11	PIN, CONNECTO PLUG, CONNECTO PIN, CONNECTO	OR 8P			
R566	1-216-073-00	METAL GLAZE	10K 5	1/	/10W		< DIO	DE >				
R567 R568 R570 R2001 R2002	1-216-085-00 1-216-109-00 1-216-049-00 1-216-065-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	330K 5 1K 5 4.7K 5	i% 1/ i% 1/ i% 1/	/10W /10W /10W /10W /10W	D701 D702 D703 D704 D705	8-719-901-33 8-719-901-33 8-719-901-33 8-719-901-33 8-719-901-33	DIODE 1SS133 DIODE 1SS133				
R2003 R2004 R2005 R2007 R2008	1-216-065-00 1-216-037-00 1-216-041-00 1-216-073-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	330 5 470 5 10K 5	5% 1/ 5% 1/ 5% 1/	/10W /10W /10W /10W /10W	D706 D707 D708 D709 D710	8-719-901-33 8-719-901-33 8-719-901-33 8-719-901-33 8-719-901-33	DIODE 1SS133				
R2009 R2010 R2011 R2012 R2013	1-216-057-00 1-216-025-00 1-216-057-00 1-216-029-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5 150 5	5% 1/ 5% 1/ 5% 1/	/10W /10W /10W /10W /10W	D713	8-719-908-03 < CRT 1-540-223-11	SOCKET >				
R2014	1-216-029-00				/10W	uun; aruupu ri seekkapi (3355) (1584)		######################################	(pa s) sa 1224 (\$\$1)355(1975)	mean and a supplemental to the supplemental to	**************************************	Nethernmentarian (1952)



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REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	•	REMAR
C008 C010		CERAMIC CHIP 100PF CERAMIC CHIP 100PF	5% 5%	50V 50V		< FII	LTER >		
C011	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	CD001	1-579-126-11	VIBRATOR, CERAMIC		
C012 C014		CERAMIC CHIP 100PF CERAMIC CHIP 100PF	5% 5%	50V 50V		< CO1	NNECTOR >		
C016 C017	1-164-222-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.22MF	5%	50V 25V	CN1413 CN1426 CN1432	*1-568-881-51 *1-568-882-51	CONNECTOR, BOARD TO PIN, CONNECTOR 6P PIN, CONNECTOR 7P	BOARD 40P	
C018 C019	1-164-505-11 1-124-916-11	ELECT 22MF	20%	16V 50V	CN1435		PLUG, CONNECTOR 5P		
C020 C022	1-163-117-00 1-164-004-11	CERAMIC CHIP 100PF CERAMIC CHIP 0.1MF	5% 10%	50V 25V		< DIC	DDE >		
C023		CERAMIC CHIP 0.1MF	10%	25V	D001 D2001	8-719-027-82 8-719-036-58	DIODE MA3039H-TX DIODE MA3030-H(TX)		
C024 C025	1-164-222-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF	10%	25V 25V	D2003 D2007	8-719-914-44			
C026 C032		CERAMIC CHIP 0.22MF CERAMIC CHIP 100PF	5%	25V 50V		< IC			
C035		CERAMIC CHIP 0.022MF	J10	50V	IC001	8-759-168-52			
C036 C037		CERAMIC CHIP 0.47MF CERAMIC CHIP 100PF	5%	25V 50V	IC002	8-759-167-62 1-750-797-11	IC TMS27PC010A-15FM		
C039		CERAMIC CHIP 100FF	10%	50V 50V	IC561	8-752-347-92)	
C042 C044	1-162-638-11	CERAMIC CHIP 1MF CERAMIC CHIP 100PF	5%	16V 50V	IC562	8-759-998-98	IC LM358D		
C522		CERAMIC CHIP 0.001MF	5%	50V	IC563 IC2002	8-759-708-05 8-759-262-58	IC NJM78L05A IC SDA5273P-C22-GEG		
C523 C524	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V	102002				
C525	1-164-222-11	CERAMIC CHIP 68PF CERAMIC CHIP 0.22MF	5%	50V 25V		< COI	.ь >		
C528	1-163-105-00	CERAMIC CHIP 33PF	5%	50V	L001 L561	1-408-421-00 1-408-409-00	INDUCTOR 100U INDUCTOR 10UH		
C529		CERAMIC CHIP 33PF	5%	50V	L562	1-408-409-00	INDUCTOR 10UH		
C541 C542		CERAMIC CHIP 0.01MF CERAMIC CHIP 0.022MF	10% 10%	50V 25V	L563 L2001	1-408-947-00 1-410-674-31	INDUCTOR 2.2M INDUCTOR 82UH		
C543	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V	22001				
C544	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V		< TRA	NSISTOR >		
C546 C547		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.0082MF	10% 10%	25V 50V	Q002 Q003	8-729-216-22 8-729-920-74	TRANSISTOR 2SA1162-0 TRANSISTOR 2SC2412K		
C549	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V	Q564	8-729-216-22	TRANSISTOR 2SA1162-0	g~	
C550 C559		CERAMIC CHIP 0.001MF CERAMIC CHIP 0.1MF	5% 10%	50V 25V	Q565 Q566	8-729-920-74 8-729-920-74	TRANSISTOR 2SC2412K- TRANSISTOR 2SC2412K-		
C560 C563		CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.01MF	10%	50V 50V	Q567 Q2001	8-729-901-01 8-729-920-74	TRANSISTOR DTC144EK TRANSISTOR 2SC2412K-	O.D.	
C564	1-163-031-11	CERAMIC CHIP 0.01MF		50V	Q2002	8-729-920-74	TRANSISTOR 2SC2412K-	-QR	
C565 C566		CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF		50V 50V	Q2003 Q2004	8-729-216-22 8-729-920-74	TRANSISTOR 2SA1162-0 TRANSISTOR 2SC2412K-		
C567		CERAMIC CHIP 0.001MF	10%	50V	02005	8-729-920-74	TRANSISTOR 2SC2412K-	~	
C568 C569		CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF	10% 10%	50V 50V	Q2006 Q2008	8-729-901-01 8-729-901-00	TRANSISTOR DTC144EK	-	
C570	1-162-568-11	CERAMIC CHIP 0.33MF	10%	16V	Q2008	8-729-901-00	TRANSISTOR DICI24EK-	-T145	
C2001	1-163-235-11	CERAMIC CHIP 22PF	5%	50V		< RES	ISTOR >		
C2002 C2004		CERAMIC CHIP 22PF CERAMIC CHIP 0.22MF	5%	50V 25V	JR553	1-216-295-91	METAL GLAZE 0	5% 1/10	W
C2005 C2008	1-163-038-00	CERAMIC CHIP 0.1MF		25V	R001	1-216-025-00		5% 1/10	
C2016		CERAMIC CHIP 0.22MF CERAMIC CHIP 0.22MF		25V 25V	R002 R003	1-216-025-00 1-216-049-00		5% 1/10 ¹ 5% 1/10 ¹	
C2017	1-164-222-11	CERAMIC CHIP 0.22MF		25V	R004 R005	1-216-049-00 1-216-295-91		5% 1/10°5% 1/10°5%	
C2018	1-164-505-11	CERAMIC CHIP 2.2MF		16V					
C2019 C2020	1-124-916-11 1-164-222-11	ELECT 22MF CERAMIC CHIP 0.22MF	20%	50V 25V	R007	1-216-073-00 1-216-049-00		5% 1/10°5% 1/10°5%	
C2021	1-163-113-00		5%	50V	R010	1-216-049-00	METAL GLAZE 1K	5% 1/10	W
C2024	1-163-117-00		5%	50V	R011 R012	1-216-049-00 1-216-049-00		5% 1/100 5% 1/100	
C2025 C2027		CERAMIC CHIP 100PF CERAMIC CHIP 0,22MF	5%	50V 25V	R014	1-216-049-00		5% 1/10	
		Janes Char Vigeri		~~ 1		T DIO 043-00	THE STUDE IN	J-0 1/10	**



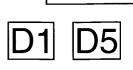


REF.NO.	PART NO.	DESCRIPTIO	N	REMARK	REF.NO.	PART NO.	DESCRIPTIO)N		REMARK
	-		<u> </u>	<u></u>				450	F0. 1/1/	\
L701 L703 L705 L707	<pre>< COI 1-410-667-31 1-408-609-41 1-408-609-41 1-408-609-41</pre>	INDUCTOR INDUCTOR INDUCTOR	22UH 33UH 33UH 33UH		R742 R743 R747 R749 R751	1-216-029-00 1-249-434-11 1-216-489-11 1-216-490-11 1-215-926-00	METAL OXIDE	27K	5% 1/10 5% 1/40 5% 3W 5% 3W 5% 3W	
		ANSISTOR >			R753 R755	1-216-073-00 1-216-065-00	METAL GLAZE	4.7K	5% 1/10 5% 1/10)W
Q701 Q702 Q703	8-729-906-70 8-729-906-70 8-729-906-70	TRANSISTOR BI TRANSISTOR BI TRANSISTOR BI	7871		R756 R757 R758	1-216-065-00 1-216-065-00 1-249-419-11	METAL GLAZE METAL GLAZE CARBON	4.7K	5% 1/10 5% 1/10 5% 1/40)W
Q704 Q705	8-729-906-70 8-729-906-70	TRANSISTOR BE			R759 R760	1-249-419-11 1-249-419-11		1.5K 1.5K	5% 1/47 5% 1/47	
Q706	8-729-906-70	TRANSISTOR B				< VAR	IABLE RESISTOR	l >		
Q707 Q708 Q709	8-729-200-17 8-729-200-17 8-729-200-17	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SA1091-0 SA1091-0		RV701 RV702	1-230-641-11 1-241-714-11				
Q710	8-729-920-74	TRANSISTOR 2			******	******	******	*****	******	*****
Q711 Q712 Q713	8-729-920-74 8-729-920-74 8-729-216-22	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SC2412K-QR SA1162-G			*A-1640-098-A	D1 BOARD, COI	MPLETE		
Q714	8-729-255-12		502551-0			4-382-854-11	SCREW (M3X10)), P, SW	(+)	
		SISTOR >	A 50	1.000		< CAF	ACITOR >			
JR701 JR703	1-216-296-91 1-216-296-91		0 5% 0 5%	1/8W 1/8W	C1601 C1602	1-124-903-11 1-136-177-00		1MF 1MF	20% 5%	50V 50V
R701 R702 R703 R704	1-202-848-00 1-202-838-00 1-202-815-11 1-202-842-11	SOLID SOLID	680K 10% 100K 20% 47K 20% 220K 10%	1/2W 1/2W 1/2W 1/2W	C1603 C1605 C1606	1-130-772-00 1-126-320-11 1-124-477-11	FILM ELECT ELECT	0.22MF 10MF 47MF	5% 20% 20%	63V 16V 25V
R705	1-216-367-11	METAL OXIDE	0.68 5%	2W F	C1607 C1608	1-124-902-00 1-102-112-00	ELECT CERAMIC	0.47MF 330PF	20% 10%	50V 50V
R707 R708 R709 R710	1-249-421-11 1-249-421-11 1-249-421-11 1-215-899-11	CARBON CARBON	2.2K 5% 2.2K 5% 2.2K 5% 15K 5%	1/4W 1/4W 1/4W 2W F	C1610 C1611 C1614	1-106-391-12 1-124-903-11 1-137-371-11	ELECT FILM	0.1MF 1MF 0.015MF		200V 50V 50V
R711 R712	1-202-820-11 1-215-899-11		1.5K 20% 15K 5%	1/2W 2W F	C1615 C1617 C1618	1-124-903-11 1-129-702-00 1-102-074-00	ELECT FILM CERAMIC	1MF 0.001MF 0.001MF	10%	50V 400V 50V
R713 R714 R715	1-202-820-11 1-215-899-11 1-202-820-11	METAL OXIDE	1.5K 20% 15K 5% 1.5K 20%	1/2W 2W F 1/2W	C1620 C1622	1-136-601-11 1-124-478-11	FILM ELECT	0.01MF 100MF	5% 20%	630V 25V
R716 R717	1-247-700-11	CARBON	100 5%	1/4W F 1/4W F	C1623 C1625 C1626	1-129-702-00 1-126-320-11 1-130-777-00	ELECT	0.001MF 10MF 0.1MF	10% 20% 5%	400V 16V 63V
R718 R720	1-249-405-11 1-247-700-11 1-249-417-11	CARBON CARBON	100 5% 100 5% 1K 5%	1/4W F 1/4W F	C1627 C1628	1-136-177-00 1-136-173-00 1-124-907-11	FILM	0.47MF 10MF	5% 20%	50V 50V
R722 R724	1-247-713-11 1-249-417-11	CARBON	1K 5% 1K 5%	1/4W F 1/4W F	C1629 C1630	1-136-559-11 1-102-244-00	CERAMIC	0.0047M 220PF	10%	630V 500V
R725 R726 R727	1-216-067-00 1-216-067-00 1-216-067-00	METAL GLAZE METAL GLAZE	5.6K 5% 5.6K 5% 5.6K 5%	1/10W 1/10W 1/10W	C1631 C1633 C1634	1-124-907-11 1-124-907-11 1-136-559-11	ELECT	10MF 10MF 0.0047M	20% 20% F 10%	50V 50V 400V
R728 R729	1-216-037-00 1-216-037-00		330 5% 330 5%	1/10W 1/10W	C1635 C1637	1-136-205-11 1-129-702-00		0.022MF 0.001MF		400V 400V
R730 R731 R732 R733	1-216-037-00 1-216-017-00 1-216-017-00 1-216-017-00	METAL GLAZE METAL GLAZE	330 5% 47 5% 47 5% 47 5%	1/10W 1/10W 1/10W 1/10W	C1680 C1681 C1684	1-124-797-11 1-129-702-00 1-137-366-11	FILM	0.47MF 0.001MF 0.0022M		160V 630V 50V
R734	1-202-549-00	SOLID	100 20%	1/2W	C1690 C1801	1-123-947-00 1-124-477-11	ELECT	10MF 47MF	20% 20%	160V 25V
R735 R738 R739	1-216-049-00 1-216-025-00 1-216-025-00	METAL GLAZE	1K 5% 100 5% 100 5%	1/10W 1/10W 1/10W	C1802 C1803 C1804	1-124-477-11 1-137-370-11 1-137-370-11	FILM	47MF 0.01MF 0.01MF	20% 5% 5%	25V 50V 50V
R740 R741	1-216-025-00 1-216-089-91	METAL GLAZE	100 5% 47K 5%	1/10W 1/10W	C1805	1-130-777-00		0.1MF	5%	63V



REF.NO.	PART NO.	DESCRIPTION	ON		REMARK	REF.NO.	PART NO.	DESCRIPTION	ON		REMARK
C1806 C1807 C1809 C1810	1-130-777-00 1-124-360-00 1-136-104-00 1-136-177-00	ELECT FILM	0.1MF 1000MF 0.16MF 1MF	5% 20% 5% 5%	63V 16V 200V 50V	L1802		NSISTOR >		. 9ммн	
C1811 C1812 C1813 C1814 C1815	1-162-318-11 1-124-927-11 1-106-383-00 1-124-907-11 1-124-907-11	ELECT MYLAR ELECT	0.001MF 4.7MF 0.047MF 10MF 10MF	10% 20% 10% 20% 20%	500V 50V 100V 50V 50V	Q1601 Q1602 Q1603 Q1604 Q1605	8-729-173-38 8-729-119-78 8-729-119-78 8-729-173-38 8-729-173-38	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC2785-H 2SC2785-H 2SA733-K 2SA733-K	IFE	
C1816 C1817 C1818 C1819 C1820	1-124-916-11 1-124-927-11 1-124-477-11 1-130-777-00 1-126-103-11	ELECT ELECT FILM	22MF 4.7MF 47MF 0.1MF 470MF	20% 20% 20% 5% 20%	50V 50V 25V 63V 16V	Q1606 Q1607 Q1608 Q1609 Q1610	8-729-119-80 8-729-119-80 8-729-140-97 8-729-140-96 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2688-L SB734-34 SD774-34 SC2785-H	iK : : :FE	
C1822	1-136-559-11	MYLAR	0.0047MF	10%	400V	Q1611 Q1612 Q1613	8-729-119-78 8-729-173-38 8-729-931-45	TRANSISTOR 2	SA733-K	IFE	
		NECTOR >				Q1614 Q1615	8-729-173-38 8-729-011-06				
CN0607 CN0622 CN0630 CY1	*1-568-879-11 *1-564-512-11 *1-568-878-51 1-508-765-00	PIN, CONNECT	COR 4P CTOR 9P COR 3P COR (5MM PITO	CH) 3P		Q1616 Q1617 Q1618 Q1802	8-729-173-38 8-729-119-78 8-729-119-78 8-729-173-38	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785-H SC2785-H SA733-K	FE	
D1601	< DIC		,			Q1803 Q1804	8-729-119-78 8-729-119-78				
D1602 D1603 D1605 D1606	8-719-901-33 8-719-109-97 8-719-302-43 8-719-901-33 8-719-980-78	DIODE RD6.8E DIODE EL1Z DIODE 1SS133 DIODE ERA83-	SSB2 -006			Q1805 Q1806 Q1807 Q1808	8-729-177-22 8-729-119-78 8-729-140-93 8-729-173-38	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SB772-Q SC2785-H SB733-34	FE	
D1607 D1608 D1611 D1612 D1613	8-719-901-33 8-719-980-78 8-719-901-33 8-719-970-87 8-719-109-89	DIODE ERA83- DIODE 1SS133 DIODE ERA38-	·006 ! ·06			Q1809 Q1810 Q1811 Q1812 Q1813	8-729-209-15 8-729-140-96 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SD774-34 SC2785-H SC2785-H	FE FE	
D1614 D1680	8-719-901-33 8-719-970-87						< RES	ISTOR >			
D1801 D1802 D1804	8-719-980-78 8-719-901-33 8-719-901-33	DIODE ERA83- DIODE 1SS133	·006			JR1 JR2	1-216-295-91 1-216-296-91	METAL GLAZE	0	5% 5%	1/10W 1/8W
D1805 D1806 D1807 D1808 D1809	8-719-801-35 8-719-980-78 8-719-980-78 8-719-901-33 8-719-901-33	DIODE ERA83- DIODE ERA83- DIODE 1SS133	·006 ·006			R1601 R1602 R1603 R1604 R1605	1-216-061-00 1-249-433-11 1-216-073-00 1-249-429-11 1-216-081-00	CARBON METAL GLAZE CARBON	10K 10K	5% 5% 5% 5% 5%	1/10W 1/4W 1/10W 1/4W 1/10W
D1810 D1811 D1812	8-719-901-33 8-719-302-43 8-719-901-33	DIODE 1SS133	i			R1606 R1607 R1608 R1609 R1610	1-249-425-11 1-249-436-11 1-216-685-11 1-216-693-11 1-216-687-11	CARBON METAL CHIP METAL CHIP	27K 56K	5% 5% 0.50% 0.50% 0.50%	1/10W
	< IC	>				R1611	1-218-758-11	METAL CHIP	180K	0.50%	1/10W
IC1601 IC1603 IC1604 IC1801 IC1802	8-759-135-80 8-759-103-93 8-759-103-93 8-749-920-58 8-752-052-88	IC UPC393C IC UPC393C IC SI-3090CA				R1612 R1613 R1615 R1616	1-249-425-11 1-249-425-11 1-249-424-11 1-216-057-00	CARBON CARBON CARBON METAL GLAZE	4.7K 4.7K 3.9K 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/10W
IC1803	8-759-135-80	IC UPC358C				R1617 R1619	1-216-081-00 1-216-085-00	METAL GLAZE	33K !	5%	1/10W 1/10W
	< COI	L >				R1620 R1621 R1622	1-249-419-11 1-215-876-00 1-215-870-11	METAL OXIDE	1.5K 5 15K 5 1.5K 5	5%	1/4W 1W F 1W F
L1601 L1602 L1607 L1801	1-410-093-11 1-459-075-00 1-406-676-11 1-412-539-41	COIL, CHOKE		CHOKE		R1624 R1625 R1626	1-216-061-00 1-249-430-11 1-249-409-11	METAL GLAZE CARBON	3.3K !	5% 5%	1/10W 1/4W 1/4W





REF.NO.	PART NO.	DESCRIPTIO	N		REMARK	REF.NO.	PART NO.	DESCRIPTION	DN _			REMARK
R1627 R1628	1-249-415-11 1-216-057-00	CARBON METAL GLAZE	680 2.2K	5% 5%	1/4W 1/10W	R1821 R1822	1-216-379-11 1-249-423-11	METAL OXIDE CARBON	6.8 3.3K	5% 5%	2W 1/4W	F
R1629 R1630 R1631 R1633 R1634	1-249-429-11 1-249-433-11 1-216-057-00 1-249-421-11 1-216-093-00	CARBON	10K 22K 2.2K 2.2K 68K	5% 5% 5% 5%	1/4W 1/4W 1/10W 1/4W 1/10W	R1824 R1825 R1826 R1827 R1828	1-249-417-11 1-215-857-11 1-249-404-00 1-215-875-11 1-249-441-11	CARBON METAL OXIDE CARBON METAL OXIDE CARBON	1K 10 82 10K 100K	5% 5% 5% 5%	1/4W 1W 1/4W 1W 1/4W	F F
R1635 R1636 R1637 R1638 R1639	1-216-073-00 1-216-073-00 1-216-057-00 1-247-807-31 1-249-405-11	CARBON	10K 10K 2.2K 100 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W 1/4W F	R1829 R1830 R1831 R1832 R1833	1-249-414-11 1-249-411-11 1-249-426-11 1-215-864-00 1-249-421-11	CARBON	560 330 5.6K 150 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1W 1/4W	F
R1640 R1641 R1644 R1645 R1646	1-249-405-11 1-247-807-31 1-216-081-00 1-216-113-00 1-216-065-00	CARBON METAL GLAZE METAL GLAZE	100 100 22K 470K 4.7K		1/4W F 1/4W 1/10W 1/10W 1/10W	R1834 R1835 R1836 R1837 R1838	1-216-081-00 1-249-393-11 1-249-435-11 1-249-435-11 1-216-379-11	METAL GLAZE CARBON CARBON CARBON METAL OXIDE	22K 10 33K 33K 6.8	5% 5% 5% 5%	1/10W 1/4W 1/4W 1/4W 2W	F
R1647 R1648 R1650 R1652 R1653	1-216-067-00 1-249-435-11 1-249-425-11 1-216-025-00 1-216-107-00	CARBON CARBON METAL GLAZE	5.6K 33K 4.7K 100 270K	5% 5% 5%	1/10W 1/4W 1/4W 1/10W 1/10W	R1839 R1840 R1841 R1842 R1843	1-249-410-11 1-249-429-11 1-249-437-11 1-249-429-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	270 10K 47K 10K 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1654 R1655 R1656 R1657 R1658	1-247-889-00 1-215-876-00 1-249-413-11 1-249-393-11 1-249-437-11	METAL OXIDE CARBON CARBON	270K 15K 470 10 47K	5% 5% 5% 5%	1/4W 1W F 1/4W 1/4W F 1/4W	R1846 R1847 R1848 R1849 R1850	1-249-429-11 1-216-065-00 1-249-429-11 1-216-065-00 1-249-415-11	CARBON METAL GLAZE CARBON METAL GLAZE CARBON	10K 4.7K 10K 4.7K 680	5% 5% 5% 5%	1/4W 1/10W 1/4W 1/10W 1/4W	
R1659 R1660 R1661 R1662 R1664	1-216-295-91 1-216-089-91 1-216-073-00 1-216-097-00 1-249-412-11	METAL GLAZE METAL GLAZE METAL GLAZE	0 47K 10K 100K 390	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W F	*****	*A-1640-113-A	D5 BOARD, CO	MPLETE	****	*****	*****
R1665 R1666 R1671 R1680 R1681	1-215-894-11 1-215-894-11 1-216-081-00 1-249-417-11 1-249-429-11	METAL OXIDE METAL GLAZE CARBON	2.2K 2.2K 22K 1K 10K		2W F 2W F 1/10W 1/4W 1/4W	C803 C804 C806 C823 C827	1-164-695-11 1-136-161-00 1-124-907-11 1-124-902-00 1-136-187-11	FILM ELECT ELECT	0.0022 0.047M 10MF 0.47MF 0.047M	F	5% 5% 20% 20% 5%	50V 50V 50V 50V 63V
R1682 R1683 R1684 R1685 R1686	1-249-433-11 1-249-411-11 1-249-435-11 1-249-441-11 1-249-441-11	CARBON CARBON CARBON	22K 330 33K 100K 100K		1/4W 1/4W 1/4W 1/4W 1/4W	C847 C852 C853 C857 C861	1-164-337-11	CERAMIC CHIP CERAMIC CHIP ELECT ELECT	2.2MF	ı	10% 20% 20% 5%	16V 25V 50V 50V 63V
R1687 R1801 R1802 R1804 R1806	1-249-441-11 1-249-409-11 1-249-409-11 1-247-891-00 1-216-103-91	CARBON CARBON	100K 220 220 330K 180K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/10W	C866 C870 C871 C872 C873	1-137-364-11 1-137-364-11 1-130-651-00 1-124-907-11 1-137-364-11	FILM FILM ELECT	0.001M 0.001M 0.001M 10MF 0.001M	F F	5% 5% 2% 20% 5%	50V 50V 100V 50V 50V
R1807 R1808 R1809 R1810	1-247-891-00 1-215-461-00 1-249-423-11 1-249-413-11	METAL CARBON CARBON	330K 47K 3.3K 470	1% 5% 5%	1/4W 1/4W 1/4W 1/4W	CN2044	< CON	NECTOR >	OARD TO	BOAR	D 10P	
R1811	T-2T0-083-00	METAL GLAZE	27K	5%	1/10W		< DIC	DE >				
R1812 R1813 R1815 R1816 R1817	1-249-417-11	METAL GLAZE METAL GLAZE	56K 1K 6.8K 4.7K 2.7K	5%	1/10W 1/4W 1/10W 1/10W 1/10W	D804 D808 D818 D821	8-719-109-88 8-719-109-93 8-719-914-44	DIODE 1SS133 DIODE RD5.6E DIODE RD6.2E DIODE DAP202	SB2 K			
R1818 R1819 R1820	1-216-049-00 1-216-079-00 1-249-417-11	METAL GLAZE METAL GLAZE CARBON	1K 18K 1K	5% 5% 5%	1/10W 1/10W 1/4W	D827 D830 D831	8-719-914-44	DIODE MTZJ-T DIODE DAP202 DIODE DAN202	K	A		



REF.NO.	PART NO.	DESCRIPTI	ON		REMARK	REF.NO.	PART NO.	DESCRIPT	ION			REMARK
D832 D833		DIODE DAP202 DIODE DAP202					< DI	ODE >				
	< IC					D1851 D1856		DIODE RD12E DIODE 1SS13				
IC802	8-759-103-93	IC UPC393C				D1867 D1868 D1882	8-719-987-87 8-719-987-87	DIODE ERA85 DIODE ERA85 DIODE RD5.6	-009 -009			
	< TR	ANSISTOR >				D1883		DIODE RD5.6				
Q804 Q805	8-729-216-22	TRANSISTOR 2	SA1162-0	G			< IC		LDDA			
Q812 Q818	8-729-216-22	TRANSISTOR 2	2SC2412K- 2SA1162-0	-QK G		IC1851 IC1852	8-759-708-05 8-759-135-80	IC NJM78L05	A			
	< RES	SISTOR >				IC1853		IC SN74LS22	1N			
R802 R805	1-216-295-91 1-216-679-11	METAL GLAZE METAL CHIP	0 15K	5% 1/10 0.50% 1/10)W)W		< CO	IL >				
R806 R808	1-216-061-00 1-216-085-00	METAL GLAZE METAL GLAZE	3.3K 33K	5% 1/10 5% 1/10)W)W	L1852	1-459-390-00	COIL (WITH (CORE)			
R809	1-216-097-00		100K	-, -,				ANSISTOR >				
R813 R814	1-216-065-00 1-216-091-00	METAL GLAZE		5% 1/10)W	Q1851 Q1852	8-729-119-78 8-729-173-38	TRANSISTOR 2	2SC2785 2SA733-	-HFE K		
R815 R820	1-216-081-00 1-216-097-00	METAL GLAZE	100K)W	Q1853 Q1854	8-729-119-78 8-729-173-38	TRANSISTOR 2	SC2785	-HFE		
R824	1-216-675-11		10K	0.50% 1/10	W	Q1855	8-729-119-78	TRANSISTOR 2	2SC2785	-HFE		
R828 R829	1-216-121-00 1-249-429-11			5% 1/10 5% 1/4W	W I F	Q1856 Q1857	8-729-017-05 8-729-122-03	TRANSISTOR 2	SA1837	1 _ D		
R830 R832	1-216-687-11 1-216-682-11		33K 20K	0.50% 1/10 0.50% 1/10	W	Q1858 Q1859	8-729-920-92 8-729-173-38	TRANSISTOR 2	SD2096	-EF		
R834	1-218-753-11			0.50% 1/10		Q1860	8-729-119-78	TRANSISTOR 2	SC2785	K -HFE		
R835 R837	1-216-057-00 1-216-695-11	METAL GLAZE	2.2K 68K	5% 1/10 0.50% 1/10	W W	Q1861	8-729-017-06	TRANSISTOR 2	SC4793			
R838 R846	1-216-695-11 1-216-671-11	METAL CHIP	68K	0.50% 1/10 0.50% 1/10	W		< RES	SISTOR >				
R847	1-216-699-11		100K	0.50% 1/10	W	JR1851	1-216-296-91	METAL GLAZE	0	5%	1/8W	
R867 R884	1-216-113-00 1-216-693-11		470K 56K	5% 1/10° 0.50% 1/10°	W W	R1851 R1852	1-260-096-11 1-249-437-11		560 47K	5% 5%	1/2W 1/4W	
*****	*******					R1853 R1854	1-215-460-00 1-249-429-11	METAL	43K 10K	1% 5%	1/4W 1/4W	
	*A-1640-114-A	D2 BOARD CO	MDI.FTF			R1860	1-249-403-11		68	5% 5%	1/4W	
	1010 111 11	******	*****			R1861 R1862	1-249-429-11		10K			
	< CAP	ACITOR >				R1863	1-249-418-11 1-215-473-00	METAL	1.2K 150K	1%	1/4W 1/4W	
C1851 C1853	1-124-910-11		47MF	20%	50V	R1873 R1875	1-216-474-11 1-215-453-00		82 22K	5% 1%	3W 1/4W	F
C1854	1-124-907-11 1-124-910-11	ELECT	10MF 47MF	20% 20%	50V 50V	R1877	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
C1855 C1858	1-106-367-00 1-163-275-11		0.01MF 0.001MF	10% 5%	400V 50V	R1878 R1879	1-260-089-11 1-216-296-91		150 0	5% 5%	1/2W 1/8W	
C1859	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V	R1881 R1882	1-215-867-00 1-215-916-00	METAL OXIDE	470 680	5% 5%	1W 3W	F F
C1860 C1861	1-137-104-11 1-137-104-11	FILM	0.033MF 0.033MF	10%	250V 250V	R1889						г
C1862 C1863	1-124-657-00 1-136-104-00	ELECT	10MF	20%	50V	R1891	1-260-098-11 1-249-411-11	CARBON	820 330	5% 5%	1/2W 1/4W	
			0.16MF	5%	200V	R1893 R1894	1-215-911-11 1-249-429-11	METAL OXIDE CARBON	100 10K	5% 5%	3W 1/4W	F
C1866 C1867	1-124-119-00 1-124-478-11	ELECT	330MF 100MF	20% 20%	16V 25V	R1895	1-247-895-00	CARBON	470K	5%	1/4W	
C1891 C1892	1-164-346-11 1-164-346-11				16V 16V	R1898 R1899	1-249-411-11 1-249-411-11		330 330	5% 5%	1/4W 1/4W	
	< CON	NECTOR >						TABLE RESISTOR		_ =		
CN1823	*1-573-299-11	CONNECTOR, BO	DARD TO I	BOARD 10P	ı	RV1851	1-241-765-11	RES, ADJ, CER	RMET 22	K		
						RV1853	1-241-761-11	RES, ADJ, CER	RMET 1K			





RI	EF.NO.	PART NO.	DESCRIPTIO	N	!	REMARK	REF.NO.	PART NO.	DESCRIPTIO	<u>N</u>		REMARK
	1851	< TRA	NSFORMER >	•	•		C828 C830 C831 C832	1-136-557-11 1-136-105-00 1-123-932-00 1-124-910-11	FILM ELECT	0.0033MF 0.33MF 4.7MF 47MF	10% 5% 20% 20%	400V 200V 160V 50V
# ·	****	*A-1642-102-A 4-200-001-01		PLETE			C833 C834 C835 C836 C837	1-136-569-11 1-137-114-11 1-124-480-11 1-102-228-00 1-129-702-00	FILM FILM ELECT CERAMIC FILM	1.2MF 0.68MF 470MF 470PF 0.001MF	5% 5% 20% 10%	200V 200V 25V 500V 400V
		4-201-023-01 4-382-854-11 4-812-134-00 7-682-652-09	SPACER, INSUI SCREW (M3X10) RIVET NYLON, SCREW +PSW 32), P, SW (+) 3.5			C838 C839 C840 C841	1-110-364-11 1-123-950-00 1-124-480-11 1-102-228-00	MYLAR ELECT ELECT CERAMIC	0.1MF 47MF 470MF 470PF	10% 20% 20% 10%	200V 250V 25V 500V
		< CAP	ACITOR >				C842	1-136-208-11	FILM	0.068MF	10%	250V
C	601 602 603 605 608	1-130-202-00 1-162-116-00 1-161-742-00 1-124-910-11 1-124-903-11	FILM CERAMIC CERAMIC ELECT ELECT	0.022MF 680PF 0.0022MF 47MF 1MF	10% 10% 20% 20% 20%	400V 2KV 400V 50V 50V	C843 C846 C851 C854 C863	1-124-907-11 1-123-024-21 1-137-364-11 1-162-115-00 1-106-383-00	ELECT ELECT FILM CERAMIC MYLAR	10MF 33MF 0.001MF 330PF 0.047MF	20% 5% 10% 10%	50V 160V 50V 2KV 100V
C C	611 612 613 614 615	1-102-002-00 1-130-481-00 1-129-722-00 1-102-030-00 1-124-962-11	CERAMIC FILM FILM CERAMIC ELECT	680PF 0.0068MF 0.047MF 330PF 2200MF	10% 5% 10% 10% 20%	500V 50V 630V 500V 25V	C869 C875 C877 C878 C879	1-130-777-00 1-102-038-00 1-124-902-00 1-164-232-11 1-102-228-00	FILM CERAMIC ELECT CERAMIC CHIP CERAMIC	0.1MF 0.001MF 0.47MF 0.01MF 470PF	5% 20% 10% 10%	63V 500V 50V 50V 500V
0	616 617 618 619 620	1-162-115-00 1-162-116-00 1-162-115-00 1-102-030-00 1-164-299-11	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC CHIP	330PF 680PF 330PF 330PF 0.22MF	10% 10% 10% 10% 10%	1KV 2KV 2KV 500V 25V	C1501 C1502 C1503 C1504 C1505	1-163-141-00 1-124-903-11 1-163-141-00 1-124-480-11 1-124-911-11	CERAMIC CHIP ELECT CERAMIC CHIP ELECT ELECT	1MF	5% 20% 5% 20% 20%	50V 50V 50V 25V 50V
0	621 622 623 624 625	1-124-347-00 1-128-320-11 1-102-030-00 1-126-800-51 1-126-800-51	ELECT ELECT CERAMIC ELECT ELECT	100MF 2200MF 330PF 2200MF 2200MF	20% 20% 10% 20% 20%	160V 16V 500V 25V 25V	C1506 C1507 C1508 C1509 C1511	1-130-777-00 1-137-423-11 1-124-480-11 1-124-767-00 1-124-907-11	FILM MYLAR ELECT ELECT ELECT	0.1MF 0.15MF 470MF 2.2MF 10MF	5% 10% 20% 20% 20%	63V 100V 25V 50V 50V
C C	627 628 629 631 632	1-136-553-11 1-124-910-11 1-124-907-11 1-163-075-00 1-137-372-11	FILM ELECT ELECT CERAMIC CHIP FILM	0.0015MF 47MF 10MF 0.047MF 0.022MF	10% 20% 20% 10% 5%	400V 50V 50V 25V 50V	C1512 C1514 C1515	1-124-006-11 1-164-004-11 1-164-004-11 < CON	ELECT CERAMIC CHIP CERAMIC CHIP INECTOR >		20% 10% 10%	25V 25V 25V
C C	633 636 640 645 646	1-163-077-00 1-130-777-00 1-124-916-11 1-128-571-11 1-124-798-11	ELECT ELECT	0.1MF 0.1MF 22MF 56MF 1MF	10% 5% 20% 20% 20%	25V 63V 50V 50V 160V	CN0004 CN0009 CN0504 CN0505 CN0506	1-508-786-00 1-568-878-51 1-564-511-11 *1-568-880-51 *1-568-880-51	PLUG, CONNECT	OR 3P TOR 8P OR 5P	CH) 2P	
C	647 801 805 808 809	1-124-907-11 1-137-116-11 1-124-902-00 1-162-114-00 1-124-808-51	FILM ELECT CERAMIC	10MF 1MF 0.47MF 0.0047MF 10MF	20% 5% 20% 20%	50V 200V 50V 2KV 200V	CN0519 CN0521 CN0522 CN0523 CN0524	*1-568-878-51 1-508-765-00 *1-564-512-11 1-573-296-11 *1-568-878-51	PIN, CONNECT PLUG, CONNEC CONNECTOR, B	OR (5MM PITO TOR 9P OARD TO BOAL	•	
C	810 812 813 815 816	1-163-001-11 1-162-318-11 1-110-364-11 1-162-117-00 1-102-244-00	MYLAR CERAMIC	220PF 0.001MF 0.1MF 100PF 220PF	10% 10% 10% 10% 10%	50V 500V 200V 500V 500V	CN0525 CN0526 CN0529 CN0544 CN5521	*1-695-294-11 *1-568-881-51 1-508-784-00 1-573-296-11 *1-568-878-51	PIN, CONNECT PIN, CONNECT CONNECTOR, B	OR 6P OR (5MM PITC OARD TO BOAL	CH) 1P	
	819 821	1-126-103-11 1-137-347-11		470MF 0.022MF	20% 3%	16V 2KV	DY1	*1-580-798-11	CONNECTOR PI	N (DY) 6P		
C	822 824	1-162-116-00 1-137-366-11	CERAMIC FILM	680PF 0.0022MF	10% 5%	2KV 50V	2001	< DIO				
	825 826	1-162-116-00 1-137-515-11		680PF 0.056MF	10% 3%	2KV 400V	D601 D602 D604	8-719-302-43	DIODE DAP202 DIODE EL1Z DIODE RD15ES			
		-: :- -										



	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTI	ON			REMARK
	D605 D606	8-719-302-43			L812 L813 L817	1-412-531-31 1-412-519-11 1-423-374-11	INDUCTOR TRANSFORMER,		H ITY (H	ILT)	
	D607 D608 D609 D610	8-719-302-43 8-719-300-33 8-719-029-04 8-719-970-39	DIODE RU-3AM DIODE D5L60 DIODE ESAC92M-02		L1501 L1502 L1503	1-412-525-21 1-412-525-21 1-412-525-21	INDUCTOR	10UH 10UH 10UH	,		
	D611	8-719-029-04	DIODE D5L60			< IC	LINK >				
	D612 D613 D614 D616 D619	8-719-510-09 8-719-920-68 8-719-920-68 8-719-110-31 8-719-914-43	DIODE RU-3AM DIODE D5L60 DIODE D5L60 DIODE ESAC92M-02 DIODE D5L60 DIODE D5L60 DIODE D5L60 DIODE D5L60 DIODE ESAB92-02 DIODE ESAB92-02 DIODE R012ESB2 DIODE DAN202K DIODE ELIZ DIODE R2K-V1 DIODE RGP02-20EL-6394 DIODE RD7.5ESB2 DIODE RU-3AM DIODE RU-3AM DIODE GP08D DIODE GP08D DIODE RU30ALFS1 DIODE GP08D DIODE RGP02-17EL-6433 DIODE MTZJ-30B DIODE RGP02-17EL-6433 DIODE DAN202K DIODE MTZJ-3.6A		PS601 /t. PS602 /t. PS603 /t. PS604 /t.	1-532-686-21 1-532-686-21 1-532-686-21 1-532-686-21	LINK, IC 2.7 LINK, IC 2.7	A (ICP-E A (ICP-E	75) 75)		
	D620	8-719-901-33	DIODE 1SS133			< TRA	NSISTOR >				
	D621 D624 D801 D802	8-719-302-43 8-719-312-39 8-719-018-82 8-719-302-43	DIODE ELIZ DIODE R2K-V1 DIODE RGP02-20EL-6394 DIODE ELIZ		Q601 Q602 Q603 Q604	8-729-016-14 8-729-177-22 8-729-900-53 8-729-209-15	TRANSISTOR E TRANSISTOR 2 TRANSISTOR D TRANSISTOR 2	SB772-Q TC114EK	3155		
	D803 D809 D811	8-719-982-27 8-719-110-03 8-719-300-33	DIODE MTZJ-33C DIODE RD7.5ESB2 DIODE RU-3AM		Q605 Q606	8-729-255-12 8-729-216-22	TRANSISTOR 2	SC2551-C	}		
	D812 D813	8-719-908-03 8-719-908-03 8-719-028-29	DIODE GP08D DIODE GP08D		Q611 Q612 Q613 Q801	8-729-119-78 8-729-903-29 8-729-216-22 8-729-016-32	TRANSISTOR 2 TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2	SC2785-H TA144TK SA1162-G	IFE ;		
	D815 D816 D822	8-719-302-43 8-719-979-85 8-719-982-20	DIODE EL1Z DIODE EGP20G DIODE MTZJ-30B		Q802 Q806	8-729-140-97 8-729-019-71	TRANSISTOR 2 TRANSISTOR 2	SB734-34 SK1916-5	3-F50		
	D824 D825 D826	8-719-028-72 8-719-914-43	DIODE RGP02-17EL-6433 DIODE DAN202K		Q807 Q813 Q1501	8-729-119-80 8-729-140-96 8-729-920-74	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SD774-34			
	D828 D1501 D1503	8-719-914-43 8-719-901-33 8-719-914-43 8-719-908-03	DIODE DAN202K DIODE 1SS133 DIODE DAN202K DIODE GP08D		Q1502 Q1503 Q1504	8-729-901-01 8-729-216-22 8-729-901-01	TRANSISTOR D	SA1162-G	ł		
	D1504	8-719-982-03	DIODE MTZJ-3.6A			< RES	ISTOR >				
		< IC	>		R602	1-216-081-00	METAL GLAZE		5%	1/10W	
	IC601 IC602 I C603 /t. IC801	8-759-073-29 8-759-908-15 8-749-923-44 8-759-103-93	IC TDA4605-3 IC TL431CLP IC SFH617G-1 IC UPC393C		R604 R605	1-215-901-00 1-260-200-11 1-216-295-91 1-216-035-00	CARBON METAL GLAZE	240K 0	5% 5% 5% 5%	2W 1/2W 1/10W 1/10W	1
	IC803	8-759-081-31	IC MC78L12ACPRP		R607 R608	1-216-210-00 1-215-903-11	METAL OXIDE	3.3K 68K	5% 5%	1/8W 2W	F
	IC1501	8-759-192-71 < COI			R609 R610 R611	1-249-395-11 1-247-881-00 1-215-887-00	CARBON	120K	5% 5% 5%	1/4W 1/4W 2W	F
	L602 L603 L604 L605 L606	1-410-396-41		0.45UH	R612 R613 R614 R615 R617	1-260-131-11 1-216-259-00 1-216-488-11 1-216-488-11 1-216-033-00	METAL GLAZE METAL OXIDE METAL OXIDE	18K 18K	5% 5% 5% 5% 5%	1/2W 1/8W 3W 3W 1/10W	F F
:	L610 L622 L623 L802 L803	1-412-533-21 1-412-533-21 1-408-947-00	INDUCTOR 47UH	1.1UH	R618 R620 R621 R622 R623	1-216-449-11 1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00	METAL GLAZE METAL CHIP METAL GLAZE	680 ! 2.2K (470 !	5% 5% 0.50% 5%	2W 1/10W 1/10W 1/10W 1/10W	
]	1804 1807 1808 1809 1810	1-459-483-00	FERRITE BEAD INDUCTOR COIL (WITH CORE) COIL, CHOKE 1000UH COIL, WITH CORE COIL, FERRITE (PMC)		R625 R626 R627 R629 R630	1-216-449-11 1-216-635-11 1-249-398-11 1-215-464-00 1-249-421-11	METAL CHIP CARBON METAL	220 (27	5% L%	2W 1/10W 1/4W 1/4W 1/4W	
I	811	1-412-519-11			R631	1-216-398-11	METAL OXIDE	5.6 5	5%	3W	F





REF.NO.	PART NO.	DESCRIPTIO	N		REMARK		REF.NO.	PART NO.	DESCRIPTIO	N			REMARK
R633 R634 R635 R636	1-249-415-11 1-215-477-00 1-216-073-00 1-215-925-11	METAL METAL GLAZE	680 220K 10K 22K	5% 1% 5% 5%	1/4W 1/4W 1/10W 3W F		R898 R1501 R1502 R1503	1-216-262-00 1-216-674-11 1-216-663-11 1-216-065-00	METAL CHIP		0.50%	1/8W 1/10W 1/10W 1/10W	
R637 R638 R639 R640 R642	1-216-113-00 1-216-073-00 1-216-089-91 1-217-192-21 1-216-374-00	METAL GLAZE METAL GLAZE WIREWOUND	10K 47K	5% 5% 5% 10% 5%	1/10W 1/10W 1/10W 2W F 2W F	11.00	R1504 R1505 R1506 R1508 R1509	1-216-081-00 1-216-081-00 1-216-053-00 1-216-683-11 1-216-085-00	METAL GLAZE METAL GLAZE	22K 22K 1.5K 22K 33K	5% 5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R643 R645 R646 R647 R648	1-249-417-11 1-215-464-00 1-216-097-00 1-216-059-00 1-249-424-11	METAL METAL GLAZE	1K 62K 100K 2.7K 3.9K	5%	1/4W 1/4W 1/10W 1/10W 1/4W		R1510 R1511 R1512 R1514 R1550	1-249-382-11 1-215-888-00 1-216-370-11 1-216-049-00 1-216-105-00	METAL OXIDE	1.2 220 1.2 1K 220K	5% 5% 5% 5% 5%	1/4W 2W 2W 1/10W 1/10W	F F
R649 R650 R651 R652 R653	1-216-270-00 1-216-113-00 1-216-069-00 1-216-109-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	1M 470K 6.8K 330K 4.7K	5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W		R1551 R1552		METAL GLAZE		5%	1/10W 1/10W	
R654 R655 R656 R657 R801	1-215-904-11 1-216-065-00 1-216-033-00 1-247-811-31 1-216-069-00	METAL GLAZE METAL GLAZE CARBON	100K 4.7K 220 150 6.8K	5% 5% 5%	2W F 1/10W 1/10W 1/4W 1/10W	A.A.A.B.ON VY	RV601 T601 + T801 +	< TRA	RES, ADJ, CAI NSFORMER > S.R.T (SMT89 TRANSFORMER)			(NX-3	000A2)
R804 R807 R811 R812 R818	1-217-778-11 1-216-037-00 1-216-033-00 1-216-061-00 1-216-685-11	FUSIBLE METAL GLAZE METAL GLAZE METAL GLAZE	1K 330 220 3.3K 27K	5% 5% 5% 5%	1W F 1/10W 1/10W 1/10W 5 1/10W		T803 T804	1-437-090-00 1-424-584-11 ***********************************	HDT TRANSFORMER,	DYNAMIC	FOCU	S	OR AND THE COURT OF THE STREET
R819 R821 R822 R823 R826	1-247-755-11 1-215-918-00 1-215-918-00 1-216-065-00 1-216-166-00	METAL OXIDE METAL OXIDE METAL GLAZE	1.8K 1.5K 1.5K 4.7K 47	5% 5%	1/2W F 3W F 3W F 1/10W 1/8W		J81 J82		******* KET > TERMINAL BLOG JACK	CK, S 31	þ		
R833 R836 R839 R840 R841	1-216-105-00 1-216-242-91 1-216-063-00 1-216-097-00 1-249-397-11	METAL GLAZE METAL GLAZE METAL GLAZE	220K 68K 3.9K 100K 22	5% 5%	1/10W 1/8W 1/10W 1/10W 1/4W F		C083 C087	1-163-037-11 1-163-037-11	CERAMIC CHIP			10% 10%	25V 25V
R842 R848 R849 R851 R852	1-215-885-00		390 68 15 220 4.7	5% 5% 5% 5% 5%	2W F 2W F 2W F 1/2W F 1/4W F		CN1008 CN1018	*1-564-513-11 *1-568-878-51 < COI	PIN, CONNECTO				
R853 R854 R855 R858 R864	1-249-443-11 1-249-377-11 1-202-826-00 1-249-423-11 1-216-686-11	CARBON SOLID CARBON	0.47 0.47 4.7K 3.3K 30K	5% 20% 5%	1/4W F 1/4W F 1/2W 1/4W 6 1/10W		L081 L082		INDUCTOR SISTOR >	10UH 10UH	5 0.	1 /1 01/	
R868 R871 R872 R873 R876	1-249-428-11 1-249-493-11 1-249-393-11 1-249-393-11 1-249-421-11	CARBON CARBON CARBON	8.2K 56K 10 10 2.2K	5% 5% 5%	1/4W 1/2W 1/4W F 1/4W F 1/4W		R081 R082 R083 R084 R085	1-216-295-91 1-216-073-00 1-216-065-00 1-216-057-00 1-216-202-00 1-216-202-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 10K 4.7K 2.2K 1.5K 1.5K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/8W 1/8W	
R877 R889 R893 R894 R895	1-216-089-91 1-215-878-00 1-216-264-00 1-216-095-00	METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22 47K 33K 560K 82K 47K	5% 5% 5% 5% 5%	3W F 1/10W F 1/8W F 1/10W		S081 S082 S083	1-571-532-21 1-571-532-21	SWITCH, TACT: SWITCH, TACT: SWITCH, TACT:	IL			



**************************************	REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
#4-374-597-01 GUIDE, LIGHER GUIDE #4-381-66-01 BRANCE (R), LIGHER GUIDE #4-381-66-01 BRANCE (R) 0,000F 10% 50V 035 1-124-477-11 ELECT 47M 20% 16V 0205 1-161-077-00 CERRAIC CRIP 1MF 10% 15V 035 1-124-477-11 ELECT 47M 20% 16V 0205 1-161-077-00 CERRAIC CRIP 1MF 10% 15V 031 1-124-477-11 ELECT 47M 20% 16V 0205 1-161-077-00 CERRAIC CRIP 1MF 10% 15V 031 1-124-477-11 ELECT 47M 20% 16V 0205 1-161-077-00 CERRAIC CRIP 1MF 10% 15V 031 1-124-477-11 ELECT 47M 20% 16V 031 1-124-477-11 ELECT 47M 20%			*****			C921	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V
C152		*4-374-987-01	GUIDE, LIGHT	DE					20%	
C161		< CAE	PACITOR >			C926	1-164-346-11	CERAMIC CHIP 1MF	20%	
C165				10%		C928	1-124-477-11	ELECT 47MF	20%	16V
C165	C163	1-163-077-00	CERAMIC CHIP 0.1MF		25V			-		
Consider						C931	1-164-346-11	CERAMIC CHIP 1MF	20%	16V
CN1132 *1-568-882-51 PIN, CONNECTOR 7P	C166	1-163-109-00	CERAMIC CHIP 47PF	5%	50 v	C933	1-124-477-11	ELECT 47MF		16V
CRITICAL		< CON	NECTOR >							
C938 1-124-477-11 ELECT 47MF 20% 16V	CN1132	*1-568-882-51	PIN, CONNECTOR 7P			C936	1-164-346-11	CERAMIC CHIP 1MF	40%	16V
D094 8-719-948-31 D100E LD-201VR		< DIC	DE >						20%	
COMPAND STATE COMPAND CONTRECTOR TY	D093	8-719-948-31	DIODE LD-201VR			2004.0.0.0				
CN1240 \$-741-101-75 IC SEXISIO-11 CRESISTOR >	D094					CN1210	*1-564-522-11	PLUG, CONNECTOR 7P	ARD 50P	
RO91 1-216-190-00 METAL GLAZE 470 5% 1/8W D902 8-719-921-69 DIODE MTZJ-9.1	TC091									
R091 1-216-190-00 METAL GLAZE 470 5% 1/8W D902 8-719-921-69 D10DE MTZJ-9.1							< DIC	DDE >		
*A-1651-054-A J BOARD, COMPLETE *A-1651-054-A J BOARD, COMPLETE **********************************	R091			1 / RW	r					
*A-1651-054-A J BOARD, COMPLETE ***********************************						D903	8-719-921-69	DIODE MTZJ-9.1		
CAPACITOR D906 R-719-921-69 D10DE MTZJ-9.1		*A-1651-054-A	J BOARD, COMPLETE							
C281			*******							
C281		< CAP	ACITOR >			D908	8-719-921-69	DIODE MTZJ-9.1		
C292				20%						
C294		1-101-005-00	CERAMIC 0.022MF		50V					
C295						D913	8-719-921-69	DIODE MTZJ-9.1		
C901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D916 8-719-921-69 DIODE MTZJ-9.1 C902 1-163-013-00 CERAMIC CHIP 470FF 5% 50V D918 8-719-921-69 DIODE MTZJ-9.1 C904 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D918 8-719-921-69 DIODE MTZJ-9.1 C905 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D920 8-719-921-69 DIODE MTZJ-9.1 C906 1-101-004-00 CERAMIC CHIP 470FF 5% 50V D921 8-719-921-69 DIODE MTZJ-9.1 C908 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D921 8-719-921-69 DIODE MTZJ-9.1 C909 1-101-004-00 CERAMIC CHIP 470FF 5% 50V D922 8-719-921-69 DIODE MTZJ-9.1 C909 1-101-004-00 CERAMIC CHIP 470FF 5% 50V D923 8-719-921-69 DIODE MTZJ-9.1 C910 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D925 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D925 8-719-921-69 DIODE MTZJ-9.1 C912 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D926 8-719-921-69 DIODE MTZJ-9.1 C913 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-121-00 CERAMIC CHIP 150FF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-121-00 CERAMIC CHIP 150FF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C916 1-163-017-00 CERAMIC CHIP 150FF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C917 1-163-017-00 CERAMIC CHIP 150FF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C918 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D927 8-719-110-39 DIODE MTZJ-9.1 C919 1-163-133-00 CERAMIC CHIP 50047MF 10% 50V C916 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D928 8-719-9110-39 DIODE MTZJ-9.1 C917 1-63-133-00 CERAMIC CHIP 470FF 5% 50V D926 S-719-9110-39 DIODE MTZJ-9.1 C918 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D927 1-63-05-06-21 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D901 1-695-296-11 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D901 1-695-296-11 TERMINAL BLOCK, S							8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
C902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D917 8-719-921-69 DIODE MTZJ-9.1 C904 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D918 8-719-921-69 DIODE MTZJ-9.1 C905 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D920 8-719-921-69 DIODE MTZJ-9.1 C906 1-101-004-00 CERAMIC CHIP 470PF 5% 50V D921 8-719-921-69 DIODE MTZJ-9.1 C908 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D922 8-719-921-69 DIODE MTZJ-9.1 C909 1-101-004-00 CERAMIC CHIP 470PF 5% 50V D922 8-719-921-69 DIODE MTZJ-9.1 C909 1-101-004-00 CERAMIC CHIP 470PF 5% 50V D923 8-719-921-69 DIODE MTZJ-9.1 C910 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D925 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-017-00 CERAMIC CHIP 470PF 5% 50V D926 8-719-921-69 DIODE MTZJ-9.1 C912 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D926 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-133-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C916 1-163-017-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C917 1-163-017-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C918 1-163-133-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C910 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C912 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C913 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C917 1-163-013-01 CERAMIC CHIP 470PF						D916	8-719-921-69	DIODE MTZJ-9.1		
D919 8-719-921-69 D10DE MTZJ-9.1							8-719-921-69	DIODE MTZJ-9.1		
C906 1-101-004-00 CERAMIC 0.01MF 50V D921 8-719-921-69 DIODE MTZJ-9.1 C908 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D922 8-719-921-69 DIODE MTZJ-9.1 C909 1-101-004-00 CERAMIC CHIP 470PF 5% 50V D923 8-719-921-69 DIODE MTZJ-9.1 D924 8-719-921-69 DIODE MTZJ-9.1 C910 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D925 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-133-00 CERAMIC CHIP 0.0047MF 10% 50V C912 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D926 8-719-921-69 DIODE MTZJ-9.1 C913 1-163-133-00 CERAMIC CHIP 150PF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-121-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-017-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-017-00 CERAMIC CHIP 150PF 5% 50V C916 1-163-017-00 CERAMIC CHIP 150PF 5% 50V C917 1-163-017-00 CERAMIC CHIP 100047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 100047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J291 1-536-996-21 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J901 1-695-296-11 TERMINAL BLOCK, S				2%	5UV		8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
C907				5%		D920	8-719-921-69	DIODE MTZJ-9.1		
C909 1-101-004-00 CERAMIC 0.01MF 50V D923 8-719-921-69 DIODE MTZJ-9.1 C910 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D925 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D926 8-719-921-69 DIODE MTZJ-9.1 C913 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-121-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-121-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C916 1-163-017-00 CERAMIC CHIP 150PF 5% 50V C916 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J291 1-536-996-21 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J901 1-695-296-11 TERMINAL BLOCK, S		1-163-133-00	CERAMIC CHIP 470PF		50V					
C910 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V D925 8-719-921-69 DIODE MTZJ-9.1 C911 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C912 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D926 8-719-921-69 DIODE MTZJ-9.1 C913 1-163-133-00 CERAMIC CHIP 470FF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-121-00 CERAMIC CHIP 150FF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-121-00 CERAMIC CHIP 150FF 5% 50V C916 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470FF 5% 50V C919 1				5%						
C911 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C912 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C913 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C914 1-163-121-00 CERAMIC CHIP 150PF 5% 50V C915 1-163-121-00 CERAMIC CHIP 150PF 5% 50V C916 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C919 1-163-133-10 CERAMIC CHIP 470PF 5% 50V C919 1-163	C910			1.00.		D924	8-719-921-69	DIODE MTZJ-9.1		
C913 1-163-133-00 CRAMIC CHIP 470PF 5% 50V D927 8-719-921-69 DIODE MTZJ-9.1 C914 1-163-121-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-121-00 CERAMIC CHIP 150PF 5% 50V C916 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C919 1-163-133-100 CERAMIC CHIP 470PF 5% 50V C919 1-163-133-100 CERAMIC CHIP 470P	C911	1-163-017-00	CERAMIC CHIP 0.0047MF			D925	8-/19-921-69	DIODE MTZJ-9.1		
C914 1-163-121-00 CERAMIC CHIP 150PF 5% 50V D928 8-719-921-69 DIODE MTZJ-9.1 C915 1-163-121-00 CERAMIC CHIP 150PF 5% 50V C916 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J291 1-536-996-21 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J901 1-695-296-11 TERMINAL BLOCK, S										
C915 1-163-121-00 CERAMIC CHIP 150PF 5% 50V C916 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J291 1-536-996-21 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J901 1-695-296-11 TERMINAL BLOCK, S	C914					D928	8-719-921-69	DIODE MTZJ-9.1		
C917 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 50V C918 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J291 1-536-996-21 TERMINAL BOARD, INPUT/OUTPUT C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J901 1-695-296-11 TERMINAL BLOCK, S										
C919 1-163-133-00 CERAMIC CHIP 470PF 5% 50V J901 1-695-296-11 TERMINAL BLOCK, S	C917	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V					
0503 1-301-334-41 20CMET, PIN ZIF							1-695-296-11	TERMINAL BLOCK, S	UTPUT	



REMARK

DESCRIPTION

REF.NO.	PART NO.	DESCRIPTION		REMARK
R973	1-216-055-00	METAL GLAZE 1.	3K 5%	1/10W
R974 R975 R976 R977	1-216-055-00 1-216-113-00 1-216-055-00 1-216-055-00	METAL GLAZE 47	3K 5% OK 5% 3K 5% 3K 5%	1/10W 1/10W 1/10W 1/10W
******	******	******	******	******
		MISCELLANEOUS		
	1-504-121-21 1-452-616-11	COIL, DEMAGNETIZ	RE TUBE ATION	(NA323)
Δ	8-451-393-12 1-751-680-11 1-590-460-11	DEFLECTION YOLK CORD, POWER (WITT (KV-S3431A/S CORD, POWER (WITT)	i NOIZE 3431D/83	PILMER) 433B/83431K)
V901 A	1-590-762-11 1-452-032-00 1-452-094-00 8-733-731-05	CORD, POWER (WITH MAGNET, DISC; 10) MAGNET, ROTATABLI PICTURE TUBE (M8	MM 3 DISK; LKVA10X)	
		RIES AND PACKING M		
	4-202-137-01 4-202-739-11 4-202-739-41 4-202-739-51 4-202-739-61	MANUAL, INSTRUCT	ION (KV-	S3431A) S3431B)
	4-202-739-71 4-202-739-91 4-202-271-01 4-202-272-01 2-202-273-01	MANUAL, INSTRUCT MANUAL, INSTRUCT CUSHION (UPPER) CUSHION (LOWER) TRAY	ION (KV- (ASSY)	

4-202-137-01	DOOR, REAR	
4-202-739-11	MANUAL, INSTRUCTION	(KV-S3431D)
4-202-739-41	MANUAL, INSTRUCTION	(KV-S3431A)
4-202-739-51	MANUAL, INSTRUCTION	(KV-S3431B)
4-202-739-61	MANUAL, INSTRUCTION	(KV-S3432U)
4-202-739-71	MANUAL, INSTRUCTION	(KV-S3433E)
4-202-739-91	MANUAL, INSTRUCTION	(KV-S3431K)
4-202-271-01	CUSHION (UPPER) (AS	SY)
4-202-272-01	CUSHION (LOWER) (AS	SY)
2-202-273-01	TRAY	
4-202-274-01	INDIVIDUAL CARTON	
R	EMOTE COMMANDER	
*	******	

1-467-272-11 REMOTE COMMANDER RM-831 1-466-854-41 REMOTE COMMANDER RM-860

REF.NO.

PART NO.



											<u> </u>	-
REF.NO.	PART NO.	DESCRIPTION	1		REMARK	REF.NO.	PART NO.	DESCRIPTION	N		REMARK	
			_					-	_			•
J903	1-695-550-11					R908	1-216-029-00	METAL GLAZE	150	5%	1/10W	
J904	1-695-296-11	TERMINAL BLOC	K, S			R909	1-216-113-00	MEMAI CIATE	470K	5%	1/10W	
J905	1-695-293-11	פַרַרַעבּיד פוף				R910	1-216-113-00		1.8K		1/10W 1/10W	
J906		TERMINAL BLOC	K. S			R911	1-216-022-00		75	5%	1/10W	
J907	1-695-293-11		,			R913	1-216-063-00		3.9K		1/10W	
						R914	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
	< COI	L >				R915	1-216-113-00	MEMAI CIATE	470K	5%	1/10W	
L281	1-402-711-11	INDUCTOR, WID	ERAND			R916	1-216-113-00		470K		1/10W	
L283		INDUCTOR, WID				R917	1-216-022-00		75	5%	1/10W	
L291		INDUCTOR, WID				R919	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
L292	1-402-711-11	INDUCTOR, WID	EBAND			R920	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
	ram >	MOTOMOD \				R921	1-216-022-00	METAL CLATE	75	5%	1/10W	
	< TRA	NOTOTOK >				R922	1-216-222-00		10K	5%	1/8W	
Q281	8-729-920-74	TRANSISTOR 2S	C2412K	-QR		R923	1-216-039-00		390	5%	1/10W	
Q282	8-729-920-74	TRANSISTOR 2S	C2412K	-QR		R924	1-216-039-00		390	5%	1/10W	
						R925	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
	< RES	ISTOR >				R926	1-216-039-00	METAL GLATE	390	5%	1/10W	
JR901	1-216-295-91	METAL GLAZE	0	5%	1/10W	R927	1-216-039-00		390	5%	1/10W	
JR905	1-216-296-91		Ö	5%	1/8W	R928	1-216-089-91		47K	5%	1/10W	
JR906	1-216-295-91	METAL GLAZE	0	5%	1/10W	R929	1-216-063-00		3.9K		1/10W	
JR909	1-216-296-91		0	5%	1/8W	R930	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
JR910	1-216-296-91	METAL GLAZE	0	5%	1/8W	R931	1-216-212-00	METAL GLAZE	3.9K	5%	1/8W	
JR911	1-216-296-91	METAL GLAZE	0	5%	1/8W	R932	1-216-113-00			5%	1/10W	
JR915	1-216-295-91		0	5%	1/10W	R933	1-216-073-00		10K	5%	1/10W	
JR917	1-216-296-91		0	5%	1/8W	R934	1-216-063-00		3.9K		1/10W	
JR918	1-216-295-91		0	5%	1/10W	R935	1-216-022-00	METAL GLAZE	75	5%	1/10W	
JR919	1-216-296-91	METAL GLAZE	0	5%	1/8W	R936	1-216-022-00	METAL GLAZE	75	5%	1/10W	
JR920	1-216-295-91	METAL GLAZE	0	5%	1/10W	R937	1-216-113-00		470K		1/10W	
JR921	1-216-295-91	METAL GLAZE	0	5%	1/10W	R938	1-216-039-00	METAL GLAZE	390	5%	1/10W	
JR923	1-216-296-91		0	5%	1/8W	R939	1-216-188-00		390	5%	1/8W	
JR924 JR926	1-216-296-91 1-216-296-91		0	5% 5%	1/8W 1/8W	R940	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
UK920	1-210-290-91	METAL GLAZE	U	3%	1/0W	R941	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
JR927	1-216-296-91	METAL GLAZE	0	5%	1/8W	R942	1-216-188-00		390	5%	1/8W	
JR928	1-216-296-91		0	5%	1/8W	R943	1-216-089-91		47K	5%	1/10W	
JR935	1-216-296-91		0	5%	1/8W	R944	1-216-188-00	METAL GLAZE	390	5%	1/8W	
JR939 JR940	1-216-295-91 1-216-296-91		0	5% 5%	1/10W 1/8W	R945	1-216-089-91	METAL GLAZE	47K	5%	1/10W	
01.710	1 210-250-51	METAL GLADE	v	J.0	1/011	R946	1-216-022-00	METAL GLAZE	75	5%	1/10W	
JR942	1-216-296-91	METAL GLAZE	0	5%	1/8W	R947	1-216-029-00	METAL GLAZE	150	5%	1/10W	
JR944	1-216-295-91		0	5%	1/10W	R948	1-216-073-00		10K	5%	1/10W	
JR946 JR947	1-216-296-91 1-216-295-91		0	5% 5%	1/8W 1/10W	R949 R950	1-216-113-00 1-216-063-00		470K 3.9K		1/10W 1/10W	
JR952	1-216-296-91		0	5%	1/8W	K330	1-210-003-00	METAL GLAZE	J.JK	J.0	1/108	
			•	•	_,	R951	1-216-063-00		3.9K	5%	1/10W	
JR954	1-216-295-91		0	5%	1/10W	R952	1-216-113-00		470K		1/10W	
JR955 JR956	1-216-296-91		0	5%	1/8W	R953	1-216-188-00		390	5%	1/8W 1/10W	
JR957	1-216-295-91 1-216-295-91		0	5% 5%	1/10W 1/10W	R954 R955	1-216-039-00 1-216-039-00		390 390	5% 5%	1/10W	
			•	• •	2,2011	,			• • • • • • • • • • • • • • • • • • • •	•	_,	
R283	1-216-073-00		10K	5%	1/10W	R956	1-216-089-91		47K	5%	1/10W	
R284	1-216-073-00		10K	5%	1/10W	R957	1-216-039-00		390	5%	1/10W	
R287 R288	1-216-216-00 1-216-216-00			5% 5%	1/8W 1/8W	R958 R959	1-216-089-91 1-216-674-11		47K	5% 0.50%	1/10W 1/10W	
R289	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	R960	1-216-674-11			0.50%		
					·							
R291	1-249-413-11		470	5%	1/4W	R961	1-216-674-11			0.50%		
R292 R901	1-249-413-11 1-216-039-00		470 390	5% 5%	1/4W 1/10W	R965 R966	1-216-029-00 1-216-029-00		150 150	5% 5%	1/10W 1/10W	
R902	1-216-039-00		390	5%	1/10W 1/10W	R967	1-216-029-00		150	5%	1/10W	
R903	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R968	1-216-055-00		1.8K		1/10W	
D004	1 046 440 55		450 ^	F0.	1 /1 077	D 0.60	1 016 055 00	want color	4 ^	Ε0.	1 /1 01/2	
R904 R905	1-216-113-00 1-216-188-00		470K 390	5% 5%	1/10W 1/8W	R969 R970	1-216-055-00 1-216-055-00		1.8K 1.8K		1/10W 1/10W	
R906	1-216-039-00		390	5% 5%	1/0W 1/10W	R970 R971	1-216-055-00		1.8K		1/10W	
R907	1-216-029-00		150	5%	1/10W	R972	1-216-055-00		1.8K		1/10W	